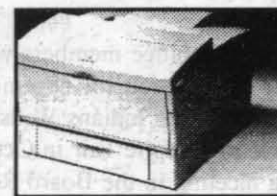


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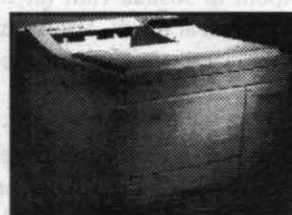
LaserWriter Select 310 PostScript Printer



- 1.5mb Ram
- 5 pages per minute
- 300 dpi for text & graphics
- Includes 13 scalable fonts
- Compatible with Macs with system 6.0.7 or later

\$999

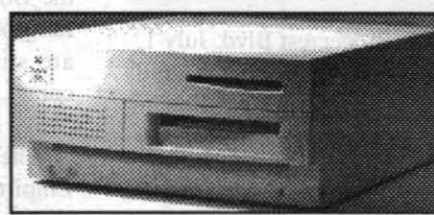
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- HP's fast laser printer for Mac & DOS users
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- Three internal NuBus expansion slots
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- 32-MHz 68030 processor
- System 7 & Built-In AppleTalk
- Includes Apple Basic Color Monitor

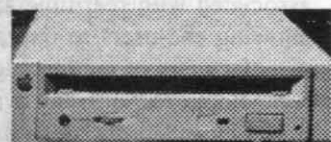
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- 3 NuBus expansion slots
- 25-MHz 68040 processor
- System 7 & Built-In AppleTalk
- Runs thousands of Macintosh applications

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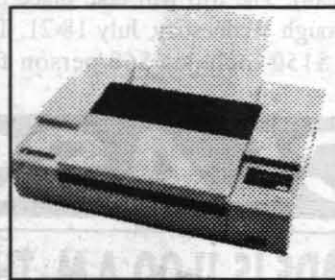
Apple Color Printer

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- Quickdraw
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\$1659

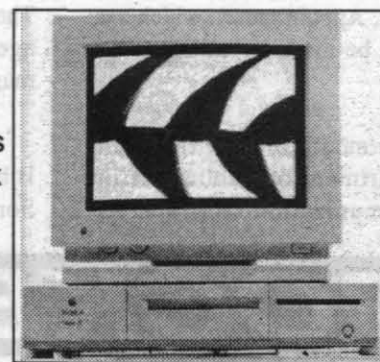
Apple CD 300

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THE ROCKETEER

THURSDAY, JULY 1, 1993

NAVAL AIR WEAPONS STATION, CHINA LAKE

Vol. 49, No. 12

Harrier II-Plus validation flight tests underway

First three of the new AV-8B variant brought here for more testing

By Barry McDonald
Editor

While McDonnell Douglas began delivering the newest version of the AV-8B aircraft, the Harrier II-Plus, to the Marine Corps in June, the first three ever produced—the full scale development (FSD) model and two fleet-representative production aircraft—were at China Lake for initial and follow-on validation flight testing.

What's new about the Harrier II-Plus is that this AV-8B is radar-equipped. The angle-rate bombing system was removed from the nose of the production AV-8B Night Attack Harrier, and the nose was elongated to accommodate the Hughes APG-65 radar system and attendant hardware. The APG-65 is the same radar used in the F/A-18 Hornet. The radar will increase the Harrier's air-to-air weapons capabilities and will add air-to-ground ranging and radar mapping modes.

The incorporation of radar and additional avionics upgrades to the Night Attack variant enhances that aircraft's capability to perform the Marine Corps mission of providing close air support during day, night and all-weather conditions.

In addition to the hardware changes, the radar package required a new operational flight program (OFP), the overall software package that controls and interfaces a modern aircraft's computers with other on-board systems and equipment.

The FSD aircraft first began testing at the Naval Air Warfare Center Aircraft Division (NAWCAD), Patuxent River, Md., in October 1992. NAWCAD and McDonnell Douglas pilots will continue flight testing of the aircraft on Naval Air Weapons Station China Lake ranges for approximately three months.

One of the two Harriers, CUM 233, is assigned to NAWS China Lake AV-8B Program Office, where project pilots Maj. Richard C. Branch and Capt. Joseph Rodgers (USMC) are flying the aircraft to validate the OFP. The other II-Plus, CUM 234, is assigned to Air Test and Evaluation Squadron Five (VX-5), where Marine pilots Capt. Phil King and John T. Rahm are performing operational testing.

"The OFP will be tested and released in three phases," said Maj. Branch, who is also the executive officer at the Marine Aviation Detachment. "The program was developed to allow the OFP to be validated sequentially to coincide with the delivery of the new aircraft to the fleet." The validation process will take 14 to 16 months. Since the production radar aircraft were already scheduled for release, this phased release will allow the fleet

Please see **AV-8B**, Page 7



Photo by Terry Pascarella

RADAR HARRIER—Marine Aviation Detachment Executive Officer, Maj. Richard C. Branch, stands before the Harrier II-Plus he's flying in the validation of the new AV-8B's Operational Flight Program. Air Test and Evaluation Squadron Five is performing operational testing concurrently on another of the most recent variant of the AV-8B.

NAWS rifle, pistol team does well at Pacific Fleet, All Navy matches

By Peggy Shoaf
Staff Writer

"I'm really proud of this," said Capt. B.J. Craig, as he looked at all the awards the Naval Air Weapons Station China Lake Rifle and Pistol Team garnered at the recently held Pacific Fleet and All Navy rifle and pistol matches at Naval Air Station Miramar. "This is a real military accomplishment."

"You should see us in one of the good years, Captain," said CWO3 Nelson H. Foucher, officer-in-charge and Navy Reserve member of the team. "This was just a so-so-year since we are in the process of rebuilding. From 1986 to 1991 we held the PacFleet trophy."

This year's China Lake competitors were Foucher,

AOCM William McCracken, AMEC Brett Ring and BUI David Bowsby.

While they didn't receive the big trophy this year, team members brought home three of the 18 award rifles 247 competitors were aiming for. The three Secretary of the Navy Award Rifles went to Foucher, Bowsby and McCracken. This was McCracken's first time at the Pacific Fleet and All Navy matches.

"We weren't many, but we sure took home more than our share of the prizes," said Foucher.

In addition to numerous other awards and medals, Bowsby became the Navy's newest Distinguished Pistol Shooter during the two-week event.

"I couldn't have done that good without the training you

Please see **RIFLE TEAM**, Page 7

Scott Randall receives DoD recognition

Work on DoD advisory committee results in the Secretary of Defense Medal for Civilian Service

8

China Lake firefighter saves infant's life

Perry Steinhoff locates injured baby for Kern County paramedics

12

Personal Development award received

William Parsons' Personal Development Award given to Michelle Bailey

14

Weather

	Max.	Min.	Gusts	Humidity
Wed	103	62	40	45-08%
Thurs	100	68	22	20-12%
Fri	103	66	17	-
Sat	107	68	16	-
Sun	101	63	22	-
Mon	99	62	27	49-13%
Tues	100	65	20	33-12%

	Max.	Min.	Gusts	Humidity
Wed	106	59	11	44-09%
Thurs	104	71	10	21-08%
Fri	111	62	12	24-10%
Sat	111	69	17	-
Sun	111	69	42	-
Mon	104	79	28	22-08%
Tues	105	61	20	24-08%



China Lake Calendar

Thursday, July 1

- Grand opening of NAWCWPNs Mission Planning Lab, 1:30 p.m., old dispensary complex

Wednesday, July 7

- Old-fashioned Country Farewell for Capt. Cook, 6 p.m. Administration Building Lawn

Monday-Friday, July 26-29

- Transition Assistance Program Workshop for military personnel. Call 927-3785 to register

Thursday, August 5

- Graduation Recognition Presentation, 1-1:40 p.m., Room 1000D, Michelson Laboratory

Coming Events

Friday-Sunday, Nov. 5-7

- 50th Anniversary Celebration

THE ROCKETEER

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VICE COMMANDER

Capt. Douglas W. Cook

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The Commanding Officer's Desktop



The Commanding Officer's Desktop is a forum for China Lakers who have questions of broad interest. It is not the intent of this column to circumvent the normal chain of command. Questions may be mailed to "CO's Desktop," C/O Code C08033, NAWS, China Lake.

QUESTION

I received the enclosed (a copy of NAWS CL Instruction 11101.1 and the new rate sheet for rental of public quarters effective March 1, 1993) in my mailbox. As a military family, this instruction does not apply to us, and, therefore, the cost involved in sending it to us is unnecessary. The unnecessary expenditure includes the paper it is printed on, the time involved, the government envelope, the mailing tape, the computer-generated mailing label and the 52 cents postage.

I bring this to your attention in light of all the cutbacks and "unnecessary overspending" by the government that I hear about.

I would appreciate your looking into this and receiving a reply from you. Thank you.

ANSWER

These concerns and comments are well taken. While the Housing Office is required to notify all tenants of the rental increases 40 days before they become effective, military families are not affected (except in special circumstances), and money and time could have been saved by eliminating the mailings to those residents. Mailings will be sent to only civilian residents in the future.

Housing rates do apply to military personnel living in base housing if, upon separation from the service, they request (as is their right in certain cases) and are approved to stay in base housing for the short, allowable term.

Tickets now available for Capt. Cook's fete

Tickets are now on sale for the old-fashioned Country Farewell planned for Capt. Douglas W. Cook, Vice-Commander of the Naval Air Warfare Center Weapons Division. The party is planned for 6 p.m. July 7 on the front lawn of the Administration Building. The admission price of \$10 includes a barbecue dinner and beverage. Tickets are available at the Public Affairs Office located in Room 1051 in the Administration Building.

Capt. Cook will be relieved of duties by Capt. Roger K. Hull July 6. After detaching from China Lake Capt. Cook will report to the Naval Air Systems Command in Washington, D.C.

Safety tip

Hot autos can pose a threat

During scorching summer weather, hot automobiles pose a special hazard to young children; vinyl seats and metal hardware heated by the sun can seriously burn their tender skin.

Always test the temperature of a child safety seat (especially any metal parts) and of the vehicle seat itself before placing your child in the car. When the outdoor temperature is 70 degrees Fahrenheit, sunlight streaming into a closed car can heat black vinyl to 192 degrees Fahrenheit.

If the seat or child safety seat is uncomfortably hot, cover it with a towel or blanket, place the child in the seat and make certain all straps and buckles are fastened properly. The metal parts should also be covered if they come in contact with the child.

Whenever possible, choose a shady parking spot. If you must park in the sunlight, take to precaution of covering the child safety seat or vehicle seat with a towel or blanket. Of course, never leave a child unattended in a car for any reason.

Pages From The Past

July 1 & 8, 1983

Glen Roquemore, Ken Pringle, Gene Edwards and Hal Lenderman, went to Coalinga to study earthquake damage from the big May 2 shaker. . . Technical Director Burrell Hays was awarded the Navy Meritorious Civilian Service Award. . . Mary Kilpatrick is the new Federal Women's Program manager for NWC. . . Outgoing Public Works Officer, Capt. J.L. Horacek, received the Navy Meritorious Service Medal. . . This year alone, NWC has awarded more than \$21 million worth of contracts to small businesses.

June 29 & July 6, 1973

Leroy Riggs, Frank Kne-meyer and Ivar Highberg was named deputy technical directors as part of a NWC reorganization effort. . . W.A. Hard and Robert McKenzie were presented Bjorklund Management Innovator Awards by the local ASPA chapter. . . R.E. Rightmeyer is the new China Lake fire chief. . . Sue Byrd and Patricia LaBurge have started "Museum Monday" gourmet lunches at the Community Center.

June 28 & July 5, 1963

Photographers from NOTS captured the first Gemini space capsule ejection seat tests with high speed cameras. . . Marine Major Maurice Rose gave the Navy back the main gate barricade and the NAF sign as the Marine Barracks ended security duty at China Lake. . . A wrecking crane tore down the last remains of the burned-out CPO Club, making way for a new one in the future.

July 3 & 10, 1953

Herb Summers of the Design and Production Department was named to chair the Beneficial Suggestion Program. . . Fomer NOTS employee and a Burroughs grad, Bill Dodge, signed a contract with ABC to produce and write a sitcom entitled "Dear Diary". . . The Research Department's Dr. F.T. Rogers left today for a new job with the physics department at the University of South Carolina. . . Victor Vieweg and Alfred Johnson, both BHS grads, are now attending the Naval Academy.

COMMUNITY EVENTS

Coffee and "goodies" will be provided by the Inyokern Airport Special Events Committee at the "Big Hangar" at Inyokern Airport Saturday, July 3, beginning at 8 a.m. All pilots and aviation enthusiasts are welcome to give their ideas, comments and suggestions about aviation and the airport. There is no charge for this event.

####

Low-cost pregnancy screening services will be offered by the Kern County Health Department, 250 W. Ridgecrest Blvd., from 8 to 10 a.m. July 6, 13 and 28. Available services include pregnancy testing, counseling, health education and referral information on prenatal and family planning services. Cost is \$5 per pregnancy test. Appointments, which are required, may be made by calling 375-5157.

####

During the month of July, the Kern County Department of Public Health will hold immunization clinics at its

office at 250 W. Ridgecrest Blvd. July 1, 15, 19 and 29 from 9:30-11 a.m. and from 1 to 2 p.m. Cost is \$3 per immunization, with a maximum charge of \$15 per family.

####

Glenn Watson of Northern California will be showing his recent oil paintings in the Sylvia Winslow Exhibition Gallery of the Maturango Museum from July 10 to Sept. 1. Watson's work can be found in many private and public art collections, including the Permanent Collection of The Crocker Art Museum, Sacramento; Grubb & Ellis, San Francisco; and the Port of Oakland, Oakland, Calif. Admission to the museum is \$1 for adults and 50 cents for children. There is no fee to members. A percentage of sales of artwork will benefit museum programs.

####

Games, crafts, songs, snacks and Bible stories are the activities for the Son Mountain Vacation Bible School

Monday through Friday, July 12-16, at the Desert Christian Center (1327 North Norma #A, 446-1037). The kindergarten- thru-6th-grade event, which is free, will be held between the hours of 6:30 and 8:30 p.m.

####

The Desert Empire Fair Parade Committee will hold its monthly meeting in the Board Room in Joshua Hall (at the fairgrounds) July 12 at 6 p.m. Volunteers are still needed and visitors are welcome.

####

The Board of Directors of the Desert Empire Fair will hold their July board meeting at 6 p.m. on July 15 in the Board Room in Joshua Hall at the fairgrounds. Interested parties are invited to attend.

####

Spend four days on the Russian River, situated close to the Northern California coast near San Francisco and California's wine country, learning canoeing techniques and exploring river scenery. Designed for the beginning as well as the experienced canoeist, this trip will cover approximately 40 miles of the Russian River from Asti Bridge (near the Italian Swiss Colony winery) to Monte Rio (10-12 miles from the ocean). The trip will take place Sunday through Wednesday, July 18-21. The fee of \$150 includes \$60/person fee for

canoe rental, paddles and lifejackets. A \$60 non-refundable fee will be charged if a cancellation is received less than two weeks prior to the start of the course. No refunds will be given one week prior to the starting date of the trip. Paid reservations due July 9. Enrollment is limited to 10. For more information call Cal State Bakersfield Extended Studies (805) 664-2441.

####

Committee members who are gathering memorabilia commemorating 50 years in the Indians Wells Valley for the Desert Empire Fair in October will hold a meeting in the Board Room in Joshua Hall (at the fairgrounds) at 6 p.m. July 20. Members invite anyone who has memorabilia to share and contribute to attend this meeting. For further information, call Barbara Padgett at 446-3571.

####

Forty leading companies will exhibit products and services Thursday, July 22, at the Carriage Inn in Ridgecrest as part of The Real-Time Computer Show. The table-top event will showcase vendors associated with real-time applications, allowing end-users to interact with the manufacturers of cutting edge real-time technology. The one-day event starts at 8:30 a.m. and closes at 3 p.m. A complimentary lunch will be offered. To register for the show, call The Real-Time Computer Group at 800-755-7380.

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25 REAL ESTATE

'88 FLEETWOOD BROADMOOR 14x56 MH. Call 371-9850. (0826)
PRICE REDUCED OVER \$5,500. must sell DW. in nice park but could be relocated. \$17,800. 371-2120. (0701)

35 AUTOMOTIVE

1989 SAAB 9000 TURBO. Fully loaded, leather, elect. locks, seats, windows, mirrors. 4W ABS, air bag, tint, below wholesale blue book. Must sell to purchase home. Car can be seen at Commisary. (619) 446-4499. (0715)

1990 EAGLE TALON Tsi TURBO. Prem. stereo, cruise, air, rear window wiper, intermittent wipers both, lumbar support adg., elect. locks, window, mirrors, tilt, 32k miles, lay off forces sale. Blue book \$13,610. Sell \$13,500. Must see, Mike 375-5932. (0729)

1993 MAZDA B2200 SE5, 3,200 miles, buy or take over payments, bed liner, mats, AM/FM cassette, tach, lock, lay off forces sale. Blue \$11,500. Sell \$10,000. Mike 375-5932. (0729)

19' Camper. 1966 Kit. Excellent for age. New Battery, Charger, Water Pump, and Jack Stand. \$1800.00. 446-6384. (0701)

'82 LINCOLN MARK VI, sig. series, Towncar, very good condition, retail \$3,500, will sell \$3,800. 446-5043 eves/wkends. (0701)

40 MISC. FOR SALE

ROUNDUP WEEDKILLER: Why pay \$48.95 at WalMart or \$44.96 at Home-Base for quart super concentrate. Repackaged from bulk with instructions. \$29.50. Makes 21 gallons. 377-5942. (0715)

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50 GARAGE SALES

GARAGE SALE SAT. ONLY 8-1. 2014 Shangrila Cr. (on base). Furn., girls' size 6-8, stuffed toys, baby furn. & much more! (0701)

MULTI-FAMILY GARAGE SALE, July 10, 1993, 8:00 a.m.-12:00 p.m., 1900 Bogue Circle. Windsurfer, wetsuit, waterskis, rugs, shortwave radio, baby swing, household items, furniture, and much more. NO EARLY BIRDS. (0701)

SPORTS

Anglers having lots of luck in the Eastern Sierra region

According to the Bishop Chamber of Commerce fishing report, dated June 21, fishing has been good at Lake Sabrina. If trolling, try using blades and night crawlers.

Anglers are also having luck at Rock Creek. If at the lake, try using night crawlers, frog superdopers, Panther Martins and olive matukas in the evenings for best results.

Fishing at Crowley Lake has been good to excellent. Trollers are catching fish three colors down with needlefish, rapalas, fire tiger and frog lures. If shore fishing, chartreuse power bait and night crawlers are working the best. Fish have been averaging from 1 1/2 to 2 1/2 lbs.

In the Mammoth Lakes area, salmon eggs, garden worms, small Panther Mar-

tins and numpys are working at Mammoth Creek, while night crawlers, power bait, trout teasers and Kastmasters are doing their jobs on the lakes. Also try hot shots and Thomas Boyants at Twin Lakes, phoebes and super dupers at Lake George, and at Lake Mary some rapalas are working.

Fishing has been very good around June Lake loop recently. There was a 3 1/3 lb. cutthroat caught out of Grant Lake. Lures are working the best in the early mornings and late evenings, with power bait and inflated night crawlers recommended for the rest of the time. Trolling with rapalas has also been successful. Rush Creek has been producing for those using salmon eggs, worms, small lures and flies in the evenings.

All military invited to participate in NS San Diego swimming event

Swimmers are invited to test their endurance in Naval Station San Diego Morale, Welfare and Recreation's base to base swim on July 17 at 8:30 a.m. Competitors will swim from Pier 2 at Naval Station to the beach at Naval Amphibious Base Coronado — a 1.59-mile swim. The event is limited to 200 swimmers and is open to all active duty, reservists, dependents (18 years of age and older) and retirees.

Swimmers from China Lake can receive entry forms by calling 556-7444/2171 or DSN 526-7444. The entry

fee is \$25 if the form is received/postmarked by July 14.

Swimmers entering the competition must submit certification of ability to swim 500 yards in 10 minutes or less, signed by their commanding officer, executive officer or head of athletics at a military pool, and a signed release form.

Nelson strongly recommends entrants to test their endurance by swimming 2,000 meters prior to entering this event. The Coast Guard estimates the water temperature will be 65 degrees Fahrenheit the day of the race.

Golf tournament planned July 10

North American Chemical Company will host the Desert Counseling Clinic's second annual golf tournament at the China Lake Golf Course July 10. Tee time is 8 a.m. and the entry fee is \$35 per person. Proceeds will be used to benefit children's programs.

The entry fee includes 18 holes of golf, a cart and lunch at the Carriage Inn.

Registration deadline is July 5. To register, call Sandy Lincoln, Desert Counseling, 375-9781; or Brent Howe, North American Chemical, 372-2236.

Navy volleyball team captures a gold medal

Washington (NNS) — The Navy Men's Volleyball Team rallied behind the play of five all-tournament players to take the gold medal in the Armed Forces Volleyball Championships held May 8-16 at Fort Indiantown Gap, PA.

The Navy team won five of its six matches to take top honors for the first time since 1987. The Marines finished second with a 4-2 record, followed by the Army (2-4) and the Air Force (1-5).

MILITARY NEWS



Photo by Terry Pascarella

ENDING his military career, Capt. "Randy" Williams takes his final salutes as he is "piped" over into the civilian world.

Naval career spans from 1970 through 1993

Capt. James R. Williams became public works officer and officer-in-charge of construction of the newly established Naval Air Weapons Station China Lake Jan. 22, 1992. From August 1990 until that time, he was PWO of the Naval Weapons Center, China Lake.

A native of North Carolina, Capt. Williams graduated from the U.S. Naval Academy in June 1970 with a bachelor's degree in mechanical engineering and a direct commission as ensign in the Civil Engineer Corps. His first assignment was to U.S. Naval Mobile Construction Battalion 3 for duty at Seabee Camp Haskins, north of Danang, Republic of Vietnam.

In 1971, Capt. Williams reported for postgraduate study to the Georgia Institute of Technology, where he received both bachelor's and master's degrees in civil engineering, while majoring in structural engineering. His next assignment was as structural engineer research and development officer at Defense Nuclear Agency Headquarters, Washington, D.C.

He was reassigned to the Norfolk, Vir., area as administrative assistant and

personal aide to the Commander, Atlantic Division, Naval Facilities Engineering Command in 1976. He then transferred to the Naval Magazine, Lualualei, Hawaii, for duty as public works officer, following which he served another tour in the Islands as public works officer and officer-in-charge of construction for the Marine Corps Air Station, Kaneohe Bay. In 1981 he was assigned as executive officer of U.S. Naval Mobile Construction Battalion 74, and in 1983 he was sent to London to serve as public works officer and officer-in-charge of construction for the Commander, U.S. Naval Activities, United Kingdom.

Capt. Williams served as commanding officer of the Naval Construction Training Center, Gulfport, Miss., from 1986 to 1988. During this time he made four trips to Madagascar to coordinate construction and disaster recovery training for members of the Malagasy Army. After that tour, he reported as executive officer, Naval Construction Battalion Center, Gulfport, Miss., "home of the Atlantic Fleet Seabees," before coming to China Lake.

Capt. 'Randy' Williams ends 27-year Naval career

Seabee Detachment says good-bye with unique 'fly-by'

By Peggy Shoaf
Staff Writer

Twenty-seven years ago, James R. Williams left his father, mother and seven younger brothers and sisters for a journey to become a midshipman and a naval officer. It was a journey that would take him to Asia, Africa, Europe, from the Atlantic to the Pacific and from the Pacific to the Atlantic.

Last Friday, that journey ended for Capt. "Randy" Williams, the Public Works Officer and Officer-in-Charge of Construction at the Naval Air Weapons Station China Lake, at a retirement ceremony held on the Administration Building lawn.

"As you look around China Lake, you won't find grey hulls of ships," said Capt. Douglas W. Cook, Vice Commander of the Naval Air Warfare Center Weapons Division and guest speaker. "But this is clearly a Navy community turned out to honor and bid farewell to one of our own, Capt. Randy Williams."

"I want to tell you up front Randy and his lovely wife, Cheryl, and their daughters, Deborah and Christy, will be missed. They have been valued members of our China Lake community."

"Capt. Williams came to us with a wide range of naval experience," the vice commander said. "Twenty-three years ago he graduated from the U.S. Naval Academy and served in assignments worldwide, including (tongue-in-check) some hardship location such as Hawaii and London. With my full support and direction, Randy proceeded to implement change and improve processes in public works' operations here. His initial impact was such that I received letters to remove him as public works officer before he ruined everything! As public works officer, Randy's vision resulted in far reaching changes to the way we do business at this site," said Capt. Cook.

The vice commander then gave a few examples of these changes, such as the establishment of a public works quality management board, an organization that delivers quality work and has the flexibility for continuous change and improvement; the first ever phased plan for major repair of the utility distribution system that allows for upgrades to the plant, while meeting the continuing needs of the research, development, test and evaluation community; and the implementation of an in-house asbestos abatement team, which did its first project at one fourth the cost of hiring an outside contractor.

Other examples of changes seen under Capt. Williams' leadership included a "light duty" program, which

reduced overtime and fully employed many workers injured on the job; a new emphasis on energy conservation projects; and the capability of overcoming a significantly reduced budget and reduced staff, while proceeding to increase the maintenance and repairs accomplished on site.

Capt. Cook said. "I believe the hallmark of his success at China Lake is the legacy he left with the public works personnel, for he empowered them to succeed, renewed their spirit and challenged them to strive for continuous improvement."

As public works officer, Capt. Williams worked closely with the Seabees of Naval Mobile Construction Battalion 17 and the China Lake Detachment. During the past couple of years, the Seabees have tackled nearly two dozen different projects at China Lake under the cooperation of Capt. Williams and his department.

"The Public Works and Seabee contributions to the Fleet are more important than ever," Capt. Cook said. "The world is not standing still, and our facilities are aging. We need the talent, resourcefulness and dedication of the people who keep the roads open, the water flowing, the runways open and who can go in and build whatever kind of combat support facility our Navy and Marine team needs ashore. This is particularly significant in these times of downsizing. Public works' support of our aging base infrastructure is absolutely critical to our mission and enables pilots, scientists, engineers and technicians to do their work."

After wishing Capt. Williams and his family well in their civilian endeavors, Capt. Cook turned the lectern over to Capt. B.J. Craig, NAWS China Lake Commanding Officer.

Capt. Craig also praised Capt. Williams' accomplishments during the past three years and noted he was much more than an outstanding public works officer to him, he was a friend and confidant. "He was a 'brain box' to me," Capt. Craig said, explaining he often sought his advice, and it wasn't always about PW matters.

In a letter of appreciation, Capt. Craig wrote, in part, "During your tour of duty, you have demonstrated outstanding leadership, dedication and performance. Your efforts have materially improved the quality, timeliness and efficiency of public works service to everyone at China Lake. Absent your leadership and management ability, meeting the challenges of the last few years would have been much more difficult for NAWS and NAWCWPNS. You have been the

Please see **WILLIAMS**, Page 5

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NAWS and VX-5 Quarters see 10 NAMs awarded

Ten Navy Achievement Medals have been handed out to personnel from Naval Air Weapons Station China Lake and Air Test and Evaluation Squadron Five (VX-5) at quarters ceremonies in recent weeks.

VX-5
On May 27, AMH2 Richard R. Grove was honored with the NAM for service as phase shift supervisor at VX-5 from Sept. 1 to Dec. 31, 1992. "Demonstrating exceptional initiative, Petty Officer Grove researched and submitted a Rapid Minor Engineering Change which allows the A-6E and EA-6B hydraulics system to be serviced safely and efficiently," the citation by VX-5 CO, Capt. Garth A. Van Sickle, reads. "He was directly responsible for the unprecedented completion of twenty-one phase inspections and over seven hundred special inspections in a six-month period."



AMH2 Grove

Petty Officer Grove also received his wings when he was designated an enlisted air warfare specialist. AE1 William L. Brannon was also designated an EAWS.

AMS2 Tony A. Malone also received his NAM for service as phase shift supervisor at VX-5 from Sept. 1 to Dec. 31, 1992. The CO wrote, in part, "Demonstrating exceptional initiative and motivation, Petty Officer Malone incorporated the aircraft wash requirements into an already complex schedule of periodic and special inspections. Demonstrating impressive leadership skills and superior standards of workmanship, he was directly responsible for the high quality of maintenance continually achieved by his workcenter." Capt. Van Sickle also noted AMS2 Malone's contributions to the hundreds of successful inspections.



AMS2 Malone

DP2 Christopher E. Griffin was recognized with the NAM for service aboard USS Theodore Roosevelt from Oct. 2, 1991 to April 5, 1993. During that period he served as Personal Computer Maintenance Workcenter supervisor, micro-computer data base administrator and network coordinator. "Petty Officer Griffin's excep-



DP2 Griffin

tional dedication, professionalism and intuitive technical skills were critical factors in the successful conversion of communication protocols on a highly complex computer network serving over 150 users," wrote RAdm. J.L. Johnson, commander, Carrier Group Eight, in part. "His aggressive drive and unselfish willingness to sacrifice off-duty time identifying and labeling more than 180 communication ports resulted in vast reduction in troubleshooting manhours and an increase in the on-line availability of the network."

NAWS

At quarters June 7, ADCS Delwyn L. Thaves received the Navy Achievement Medal for his supervision of the Hangar Three rehabilitation effort, from September to October 1992. Capt. B.J. Craig, NAWS CO, credited Senior Chief Thaves with initiating the painting of the bay floor with chemical resistant paint. "He closely monitored the preparation and application of paint covering 23,000 square feet of maintenance space," the CO wrote, in part. "During a time of austere budget constraints, he saved the Navy \$15 thousand by using the 'self-help' method."



ADCS Thaves

AMS1 Fred T. Fulton was also awarded the NAM associated with the application of the paint to the hangar floor, while serving as corrosion control supervisor from September to October 1992. The citation by Capt. Craig cites AMS1 Fulton's direct supervision of the 28 personnel who cleaned, stripped and resurfaced the floor. "Petty Officer Fulton reviewed the extremely detailed application procedures and ensured compliance 'to-the-letter,' the CO wrote, in part. The maintenance environment was enhanced by increasing the reflective light of the floor surface, providing an easier surface to clean and, more importantly, making it much easier to detect FOD."



AMS1 Fulton

Yet a third member of the painting team received a NAM; AMS3 Daniel W. Weggesser was a member of the corrosion control crew and spent many off-duty hours and weekends working on the project. Capt.



AMS3 Weggesser

Craig wrote, in part, "Because of the complexity of the paint mixing procedures, Petty Officer Weggesser contacted the paint manufacturer directly for explicit instructions and personally mixed all paint used. His direct contributions saved the Navy in excess of \$35 thousand in labor cost normally incurred under civilian contract."

AO1 Craig E. Carter received the NAM for service as a division shift supervisor aboard USS Kitty Hawk from December 1989 to March 1993. "Petty Officer Carter was instrumental in returning 11 weapons elevators to full operational capability following the ship's Service Life Extension Program and the superior maintenance of 42 magazines throughout an intensive work-up cycle and a Western Pacific deployment," wrote RAdm. P.J. Coady, commander, Cruiser Destroyer Group 5. RAdm. Coady also credited AO1 Carter with a highly successful Shipboard Explosive Safety Inspection and "an overall score of 96.2 on the Type Commander's 3-M Inspection."



AO1 Carter

AO1 John R. Schatz received the NAM for service as quality assurance representative and aircrewman with Antarctic Development Squadron Six for November 1990 to December 1992. "As quality assurance representative, Petty Officer Schatz's extensive knowledge of aircraft systems led to unprecedented aircraft availability while deployed," wrote RAdm. D.W. Baird, commander, Anti-submarine Warfare Wing, in part. "As aircrew Naval air training and operating procedures standardization instructor, he expertly trained and qualified virtually all squadron crew chiefs, producing a cadre of knowledgeable safety-conscious professionals."



AO1 Schatz

AT1 (AW) Larry "J" DelRosal received his NAM for service as Aircraft Intermediate Maintenance Division Precision Measuring Equipment/Calibration Branch supervisor at NAWS China Lake from October 1991 to October 1992. "Despite a 45 percent reduction in calibration funding and personnel, Petty Officer DelRosal ensured a 100 percent availability rate for



AT1(AW) DelRosal

Marines begin LAV-AD testing

Approximately 50 Marines from various fleet Marine force units began arriving at the Naval Air Weapons Station China Lake June 18 to begin the live fire phase of the initial operational test and evaluation of the Light Armored Vehicle-Air Defense. Actual testing begins July 9.

The LAV-AD fulfills the Marine Corps' requirement for a highly mobile, low altitude air defense capability.

The vehicle integrates weapons and fire control systems into the widely-used LAV automotive chassis. The turret mounts a 22MM GAU-12 Gatling gun, two Stinger Standard Vehicle Missile

Launchers and two L8A1 grenade launchers. The fire control system consists of a forward-looking infrared/television sight, a laser range finder and a target autotracker. The communications equipment includes SINCGARS radios, a Global Positioning System vehicle navigation system and a Digital Communications Terminal.

The operational testing, which will continue here through August 30, will evaluate weapons systems performance against various types of aerial targets and assess vehicle durability and functioning during 24-hour simulated combat missions.

JTPA students aboard China Lake

By Abel Maestas
JTPA Student

The Naval Air Warfare Center Weapons Division has opened their doors to young adults and the job market. A program known as the Junior Training Partnership Act (JTPA) allows students from the Bakersfield area and parts of Kern County to come to China Lake and work for the summer.

This "summer jobs" program has enough funding for a maximum of 45 students this year, a rise from last year's 30 students.

The selection process among these teens was very competitive. The 45 students that were chosen came from approximately 150 students throughout Kern County. The JTPA makes the selections on the basis of financial need, scholarship and only after a personal interview with each student.

The students have filled in a vast array of different kinds of jobs on the base. From mixing chemicals to clerical work to bomb testing, these teenagers are getting a real dose of what the Navy is really about.

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Video Listings

KNID & TVIS

KNID

NOTE: Navy Channel 17 continues to highlight China Lake's 50th Anniversary with historical film each programming evening. Watch for NAWS Newsreels in upcoming weeks, scheduled at 5:55 p.m. after Navy News.

Monday-Friday, July 5-9

5:30 p.m.: Navy News
5:55 p.m.: Historical Film: This is Value Engineering (1968) (VTA 745)
6:00 p.m.: Holland: Flowers to Go
6:20 p.m.: California Natural Resource Series: Bureau of Land Management (Programs 5-7)
•Monday-Friday, July 12-16
5:30 p.m.: Navy News
5:55 p.m.: Historical Film: Research (1972) (VTA 742)
6:24 p.m.: People in Science: Investments in the Future (NARAD)
6:40 p.m.: Christopher Columbus

TVIS

Programs listed below will be available for viewing on Channel 3 in all FOTS-equipped conference rooms throughout the Station. Those without access to such rooms can see the programs at Michelson Laboratory "Little D" conference room. A room will also be made available in the Training Center for each program — the room number will be posted in the lobby. Note: We have obtained a subscription to distribute CNN Headline News over the TVIS. CNN Headline News

can be seen workdays from 7 a.m. to 5 p.m. on Channel 1.

Tuesday, July 6

8:30 a.m.: Tom Peters: Recession as Opportunity

9:30 a.m.: Self-Discipline and Emotional Control, Part 1

11:15 a.m.: Wellness: Relaxation Video

1:00 p.m.: Macacademy: MS Word 5.0 Part 3 of 3

3:00 p.m.: The DOD CIM Initiative

•Thursday, July 8
8:30 a.m.: Computers: The Object Oriented Evolution

9:30 a.m.: Self-Discipline and Emotional Control, Part 2

11:15 a.m.: Wellness: Relaxation Video

1:00 p.m.: Macacademy: Excel - Part 1 of 4

3:00 p.m.: Tom Peters: A World Turned Upside Down

•Tuesday, July 13
8:30 a.m.: Computers: Optical Media for Business Systems

9:30 a.m.: Self-Discipline and Emotional Control, Part 3

11:15 a.m.: Wellness: Relaxation Video

1:00 p.m.: Macacademy: Excel - Part 2 of 4

3:00 p.m.: Tom Peters: A World Turned Upside Down

•Thursday, July 15
8:30 a.m.: Where there's a Will there's an A; How to get better grades in college

11:30 a.m.: Wellness: Relaxation Video

1:00 p.m.: Macacademy: Excel - Part 2 of 4

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Sunday Worship Service, Main Chapel 10:30 a.m.	Daily Mass, Blessed Sacrament Chapel 11:35 a.m.	Shabbat Services, Main Chapel 10:30 a.m.
Sunday School, 1008-10 Blandy & 1903-05 Mitscher 9:00 a.m.	Confessions, Sundays 8:15 - 8:45 a.m.	Shabbat Services, East Wing 11:30 a.m.
Bible Study (East Wing), Wednesday (September thru June) 11:30 a.m.	Confessions, Weekdays By appointment	Men's Prayer Breakfast, East Wing, Thursday 6:30 a.m.
Men's Prayer Breakfast, East Wing, Thursday 6:30 a.m.	Religious Education Classes, Sunday (September thru May) 1902 Dobb, 1002 Blandy, 1008-10 Blandy & 1903-05 Mitscher 10:15 a.m.	Officers' Christian Fellowship/Christian Military Fellowships, East Wing, Thursday 7:00 p.m.
Weekly Services, Friday, East Wing 7:30 p.m.	Adult Education Classes, Thursdays (September - May) St. Ann's School Library 7:00 - 8:00 p.m.	October through June
Hebrew Classes, Saturday, 1902 Dobb 2-5 p.m.	RCIA, St. Ann's School Library 8:15 - 9:45 p.m.	Adult Education, Saturday, 1902 Dobb 10 a.m. - noon
Religious School, Sunday, 1902 Dobb 9:30 a.m. - 12:30 p.m.	Islamic Jumaa Prayer, Friday (1002 Blandy) 1:00 p.m.	Religious School, Sunday, 1902 Dobb 9:30 a.m. - 12:30 p.m.

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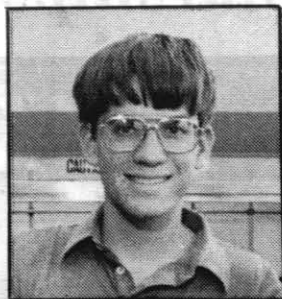
Student volunteer selected to participate in London International Youth Science Forum

By Peggy Shoaf
Staff Writer

Since Doug Harris joined the Student Volunteer Program at the China Lake site of the Naval Air Warfare Center Weapons Division two-and-a-half years ago, he has taken full advantage of the opportunities offered to him. Those opportunities helped the Burroughs High School student become the top presenter at the 31st National Junior Science and Humanities Symposium in Norfolk, Vir. in May. With this achievement, Harris was selected as one of seven students to attend the London International Youth Science Forum in Great Britain in July.

The Student Volunteer Program allows high school and college students to gain knowledge and experience by working under the guidance of a sponsor aboard NAWCWPNS. The program replaces the Technical Mentor Program, which is on hold due to lack of funding. Students work on a volunteer basis and must find their own sponsors.

As a student volunteer, Harris has been working under the guidance of Drs. Richard Hollins and Robin Nissan in the Research Department's Chemistry Divi-



Doug Harris

sion. After he became familiar with the scientific equipment, Harris decided he would like to get into the laboratory and do some actual synthesis (formation of a compound from its components). So, with help from Dwight Morgan (his science teacher at Burroughs High School), Hollins and Nissan, Harris put together a proposal that related to work the division was interested in and submitted it to the Southern Museum of Science and Industry. The acceptance of his proposal put him into competition to attend the forum in London.

"We (the Chemistry Division) have had students come and work with us for many years," said Nissan, "and they contribute to the extent that they can. Sometimes this means just learning the equipment and running routine samples for us. In the case of Doug, he started out that way, learning how to use the instruments and how to provide information, data

analysis. But Doug went even further than that, electing to go out on his own and do his own research project."

"We have sponsored a number of students," said Hollins, "but to take that learning experience one step further and to learn how to design a research project around it is something very few high school students have an opportunity to do."

Hollins figures the work Harris has done may eventually be of use to the Navy. "Synthetically, Doug is trying to make new materials," said Hollins. The electronic, mechanical and structural properties of these materials are all unknown, and maybe at a future date we will be able to find something interesting."

Harris' interest in chemistry may very well have been inherited, as his father, Dr. Daniel Harris, is head of the Chemistry Division's Optical & Electronic Materials Branch.

In the fall, Harris, who graduated from Burroughs June 10, plans to attend the Massachusetts Institute of Technology, where he will major in chemistry and physics. "Eventually I hope to become a research scientist," he said.

Trouble Desk has new phone number

On July 1, a new contractor, FD Services Inc., will take over the base operating services (BOSS) contract that Johnson Controls World Services had been performing.

Due to this change, effective July 1, all requests for housing services under the Housing Division's responsibility (plumbing, air conditioning and so forth) should be directed to FD Services Inc.'s trouble desk, 375-9522. This number replaces the Housing Office's trouble desk number 939-2380. Trouble calls for commercial buildings, such as offices, will still be directed to 939-2268.

In addition, calls relating to all weed and pest control services aboard the Naval Air Weapons Station China Lake, whether for the housing or commercial areas, should be directed to 375-9522. For further information, call 939-4099.

Excess equipment catalogue available

An excess equipment catalogue is distributed through Code 275. Call 939-3953 for information before you buy new equipment.

precision measuring equipment," Capt. Craig wrote, in part. "Through extensive research and liaison with other west coast Navy calibration laboratories, he found lower cost calibration alternatives to the existing system. His efforts led to a savings of over \$67 thousand in calibration and shipping costs and a grade of "Outstanding" (no discrepancies) during the 1992 Naval Aviation Maintenance Office Inspection.

AK2 Nilo Q. Satumbaga received his NAM for service with the Aviation Department, U.S. Naval Depot, Guam, from January 1989 to February 1993. "As a direct result of Petty Officer Satumbaga's resourcefulness, all areas under his cognizance received zero discrepancies during the 1991 Commander, Fleet Air, Western Pacific Supply Management Inspection for which the Aviation Department received the Supply "E" for Excellence," wrote RADM. J.E. Miller, commander, Naval Supply Systems Command, in part. "He was hand picked to head up the newly established 'special projects' section developed for specialized management of the increased aircraft pack-up kit maintenance role on Guam."

Another award at NAWS quarters was the Battle Efficiency "E" passed on to AT2 Frederick D. Brown for service with the Gunslingers of Strike Fighter Squadron 105.



AK2 Satumbaga



AT2 Brown

WILLIAMS, from Page 3

embodiment of 'leadership by example' and a standard bearer in our quest for total Quality Leadership. . . . Where others leave a wake of vapor trail, you have constructed buildings that will weather storms of many years to come and that will allow the scientists, engineers and administrators to deliver aviation weapons systems for the future. . . .

"The attendance and participation in retirement ceremonies are something I have done from either in the ranks as the adjutant, as commander of troops or even as the retiring official since I was 17 years old and a midshipman," Capt. Williams told the audience. "On each of those former occasions, I felt many deep and confused emotions. I assure you, today is no exception.

"I don't feel, however, that today is my day," he said. "My thoughts have been with the thousands of people whom I met along the way and with whom I have

worked with during my 27-year journey. My thoughts have not been of what I have done, but what they have done and what you have done. Today is our day.

"I have loved the Navy," Capt. Williams continued. "I have felt honored to wear the officer's uniform. John F. Kennedy once said, 'Any man may be asked in this century what he did to make his life worthwhile. I think he can respond with a great deal of pride and satisfaction, I served in the United States Navy,' the retiring officer said in a choking voice. "Ladies and gentlemen, I served in the United States Navy!"

Before being piped over into civilian life, Capt. Williams was honored with a Seabee "flyby." While many of the audience watched the skies, the Seabees in the know chuckled. After a slight delay, a 15-ton dump truck and two tractor trailers, hauling a motor grader and a D-08 Catpillar bulldozer, drove down Knox Road and turned off onto Blandy, offering a final salute to the Seabees' "King Bee."

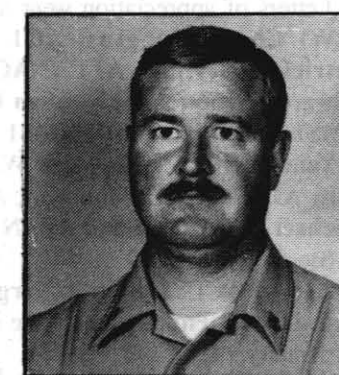
VX-5 bids farewell to AKC Michael Wendt

At a ceremony Friday, June 25, AKC Michael Wendt of Air Test and Evaluation Squadron Five (VX-5) bid the Navy farewell after 20 years of service.

Wendt entered the Navy in June 1972, receiving basic training at Recruit Training Center, San Diego. His list of tours includes Fleet Prep School, NATTC, Millington, Tenn.; Attack Squadrons 122, 94 and 27 Naval Air Station Lemoore; Naval Station, Keflavik, Iceland; Reserve Detachment NAS Barbers Point, Hawaii, deployed to

NAS Point Mugu; Naval Station 32nd Street, San Diego; Naval Station Diego Garcia; Attack Squadron 15, NAS Cecil Field, Fla.; (EEAP) Ventura College, NMCB Port Hueneme; Marine Corps Air Station, Yuma, Ariz. and two tours at VX-5.

During his career, AKC Wendt received numerous awards and decorations, including two awards of the Navy Achievement Medal and the Meritorious Unit Commendation, a Battle "E," and many other medals and ribbons.



AKC Wendt

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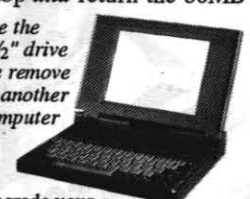


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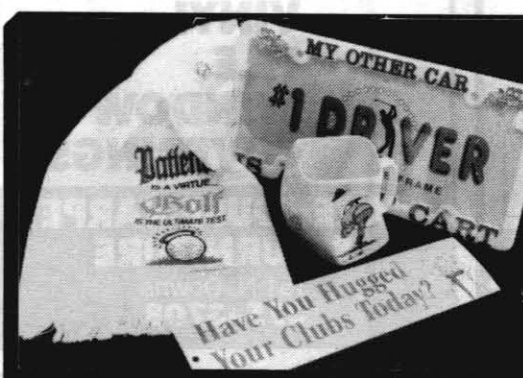
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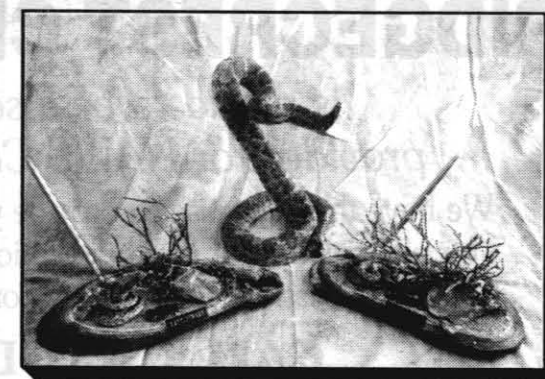
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Recognition

Recent quarters saw sailors recognized for a number of different accomplishments at NAWS and tenant commands.

•NAWS
Good conduct awards were presented to ADC Louis J. Gergel (fifth award), ABF1 Jeffery Quimby (fourth), AT1 Larry "J" DelRosal (third), ET2 Susan M. Sherman (third) and AMS2 Michael A. Tichota (third).

Letters of commendation were passed on to AC1 (AW) Fred W. Bisaro, AC1 Vance Rushing, AC2 Jamie H. Bradley, ET2 Dominic J. Marion, ABH2 Tupua T. Sevaetasi, ABH3 Mark D. Montgomery and ABH3 Michael D. Walker.

Letters of appreciation went to AC1 (AW) Cordy Haggins, AC1 (AW) Patrick J. Sevigny, ATC (NAC/AW) Edward Barbot, ADC Stephan Olson, AMS1 Robert C. Tuttle, AMS1 David F. Vandergriff, AMS2 Aaron W. Newbolt, AD2 Keven D. Johnson, AZAN Michael R. Howland and AZAN Jason A. Stogin (two LOAs).

AO1 (NAC) Stephan J. Varga was named Senior Professional of the Month for January.

AEAN Sarah Donovan is Junior Professional of the Month for January.

ATAN Kenneth Claassen was named Plane Captain of the Month for January.

•VX-5
Good Conduct Awards were presented to AEAN Scott R. Knight, AE3 Heinrich Schnuderl and AO1 Tim D. Copeland (second award).

Letters of commendation went to ATAN Chad J. Honeywell, AMS1

David F. Curtis, AD2 Pamela S. Schutte, and AD3 Jeffery W. Hammond.

ADAN Christopher C. Hall was named Plane Captain of the Month for March.

Airman Apprentice Allison Terrill was designated an F/A-18 Plane Captain.

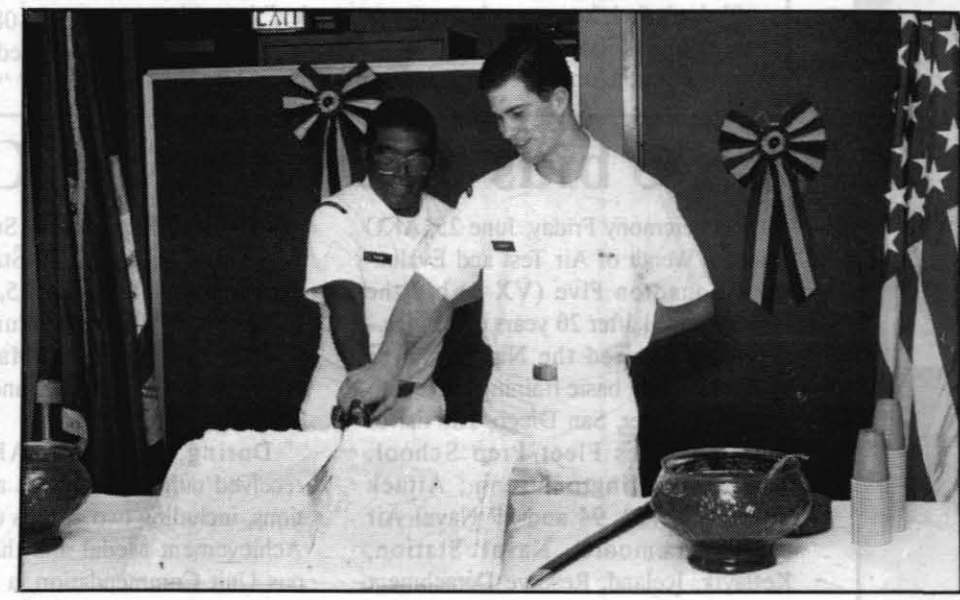
The AE Shop was named Work Center of the Quarter for the first quarter of 1993.

Frockings
New first class petty officer is AMS1 (AW) Steven Haugh.

New second class petty officers include LI2 Thomas E. Pelt, YN2 Leroy Granvle, AO2 Robert Vrenick, AO2 Lawrence P. Leslie, and YN2 James McFarland.

New third class petty officers include YN3 Dustin Miller, AT3 Robert A. Litz, AT3 Andrew T. Schelke, AZ3 Gary T. Sullivan and AO3 Daniel R. Lindgren.

•Branch Medical Clinic
Good conduct awards were received by HM3 Stephanie Pofahl, HM3 Michael Espinoza and HM3 Lance Gwynne.



Branch Medical Clinic celebrates Hospital Corps' 95th birthday

HAPPY BIRTHDAY!—HM1 Wayne Brown and HR Aaron Herbert cut the cake at the birthday party celebrating the Hospital Corps' 95th birthday. Branch Medical Clinic personnel held the party at the clinic June 17.

Photo by Terry Pascarella

Compu Chatter

New packages in library
Maple V is available for rental for either the Mac or PC. This is a symbolic and numeric computation, mathematical programming and mathematical visualization package.

Hands-on training
Classes for FileMaker Pro 2.0 and Word 5.1 are offered in the PC Lab. The first one-hour session is free, set up future classes at a low-cost rate. Our classes are geared to the individual or a very small group. Learn at your own pace in short, on-going and thorough

Rentals, training available at PC Lab

sessions. If you get stuck, simply call the PC Lab and speak to your personal trainer. These two programs are sophisticated and powerful, and they are used extensively at China Lake, don't just be a user, become an expert. Call soon.

Other services
Some other services offered in the PC Lab are: OCR scanning; Mac to PC conversions; disk recovery; general software problems; FileMaker Pro database development; virus support; and software purchases and upgrades.

Clinic takes over ambulance service

Effective July 1, the Naval Air Weapons Station China Lake Fire Division will no longer provide ambulance service to the mainline area or airfield. In accordance with NAVMEDCOM-INST 6700.9, ambulance service will be provided by the Branch Medical Clinic to all areas of the station except Randsburg Wash area.

The Fire Division will continue to staff an ambulance at Fire Station No. 4.

To request an ambulance, call 911. Calls will be answered by a communications specialist in the Law Enforcement Physical Security Division, who will dispatch an ambulance from the Branch Medical Clinic or Fire Division as appropriate.

Questions concerning ambulance service should be addressed to the Branch Medical Clinic at 939-8002 or fire chief at 939-2146.

Sybilie Gehres Memorial Scholarships awarded



Photo by Terry Pascarella

AWARDEES—The China Lake Chapter of the American Society of Military Comptrollers presented its third annual Sybilie Gehres Memorial Scholarship Award June 22. Maxine Curtis and Dorothy Marshall were presented the scholarships by Sue Zaretki, chapter president, and Sybilie Gehres' daughter, Erika.

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Straight Talk

By Lew Lundberg
NAWC Technical Director



It's been some time since my last Straight Talk article on Technical Team Integration. We're experiencing history in the making, and it's hard to keep up with the pace of change. I will attempt to give you some of the latest thinking on Team Integration, even though final details are uncertain.

In earlier Straight Talk articles, I discussed the three-legged stool concept and its meaning for Team Integration. Let me give you a few things to think about concerning the "third leg of the stool"—organizational team support.

Organizational structures have always existed only to support the main business of the enterprise. In our case, the organization exists to support Navy pro-

gram managers as they develop, acquire and field systems to support maritime aviation. To provide this support, we typically supported—and sometimes managed—portions of development and acquisition programs in the field. Our management structure organized the work force, the facilities and the equipment, as well as overseeing the work. This sometimes created an unnecessary "layer" between the program manager and the people doing the work. This layer sometimes led to confusion and perceptions that we, in the field, manage work to support the institution instead of the program.

What attributes do we expect from the managers and supervisors who work

in the field? I strongly believe each manager and supervisor has three roles:

- Get the work done.
- Improve the processes that get the work done.
- Develop the people who do the work.

I believe that we sometimes spend too much time on redundant program management (getting the work done) and not enough time on improving processes and developing people. As one NAWC employee said, "I never saw a supervisor get a bonus for doing a bang up job of improving processes and developing people, but I have seen the results of all-out program support."

What attributes do we expect from an organization that supports the new concepts of Team Integration? We should see an organization that:

- Is heavily customer focused;
- Has fewer layers and is much leaner;
- Facilitates excellence in the work-force and the individual;
- Is responsive to change and needs for speed and uncompromising quality;
- Provides and receives support from other parts of the TEAM to reduce costs and infrastructure investments;

•Is recognized as the best user of value added processes to do the real work; and

•Looks beyond today's requirements and prepares for the future needs of our customer.

If we reach our goal of an organization with ideal characteristics and structure, what impact will we have on our people, customers and our future? The organization should get us through a very difficult time in our history, but it still won't be easy. Recently, I have had the opportunity to speak with executives of our aerospace industry. They, too, hope that they can adjust to the future and are working toward similar concepts of Team Integration. Calling it other names, they are re-engineering their companies along the lines of program support and competencies. To stay in business, they are cutting their work forces by 30 to 35 percent, aiming for efficiencies through smaller horizontal organizations that are program/project driven. I am encouraged by what I hear from these industry leaders, because it supports my belief that we are on the right track, even though the transition will be painful.

Neither paper nor plastic bags are good for the environment

Washington (NNS) — When deciding whether to use paper or plastic bags to carry groceries, remember that neither type of bag is good for the environment.

•According to Save a Tree, it takes a whole 15-year-old tree to make only 700 grocery bags.

•Non-biodegradable plastic bags, now

more common, are made from oil, a nonrenewable resource.

•Manufacturing both types of bags creates serious pollution.

The alternative is to buy a reusable canvas bag for small purchases and a number of string bags for regular grocery shopping trips.

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RIFLE TEAM, from Page 1

gave me," Bowlsby told Foucher with a grin. "You taught me everything I know, but not everything you know, and that's what I want to know."

In the Individual Pistol Category of the Pacific Fleet Match, Bowlsby took fourth place overall and was ranked as the Navy's high shooter. In his first Pacific Fleet competition, McCracken placed 23rd overall and earned the high new shooter award.

In the Pistol Excellence in Competition Category, Bowlsby received a gold medal and McCracken received a silver medal.

Bowlsby and McCracken also placed in the Long Range Pistol Competition, with Bowlsby taking fourth and McCracken taking 12th place.

Foucher placed 20th in the Rifle Individual Competition, while Bowlsby took a bronze medal in the Rifle Excellence in Competition Category. Bowlsby also placed fifth in the Grand Aggregate of Rifle and Pistol Category.

Overall, the China Lake team placed eighth out of 29 teams. The team was coached by Double Distinguished Shooter Rod Minnick. Minnick works in the Aircraft Department aboard the Naval Air Weapons Station China Lake.

After the Pacific Fleet matches, the top 50 shooters of the Pacific and Atlantic fleets were invited to take part in the All-Navy Match. This is a competition where the shooters compete for a place on the Navy and Naval Reserve National teams. All four members of the China Lake team were invited to represent the Pacific Fleet. In all, there were 149 competitors.

In this competition, Bowlsby placed 10th and McCracken 34th in the Individual Pistol Category. In the Pistol Excellence in Competition Category, Bowlsby took another gold medal, which gave him enough points to be classified as the Navy's newest Distinguished Pistol Shooter. Bowlsby also took a silver medal in the Rifle Excellence in Competition Category, fifth place in the Grand Aggregate Pistol and Rifle Category and 19th place in the Long Range (Service) Rifle Category.

Foucher took 12th place overall in the

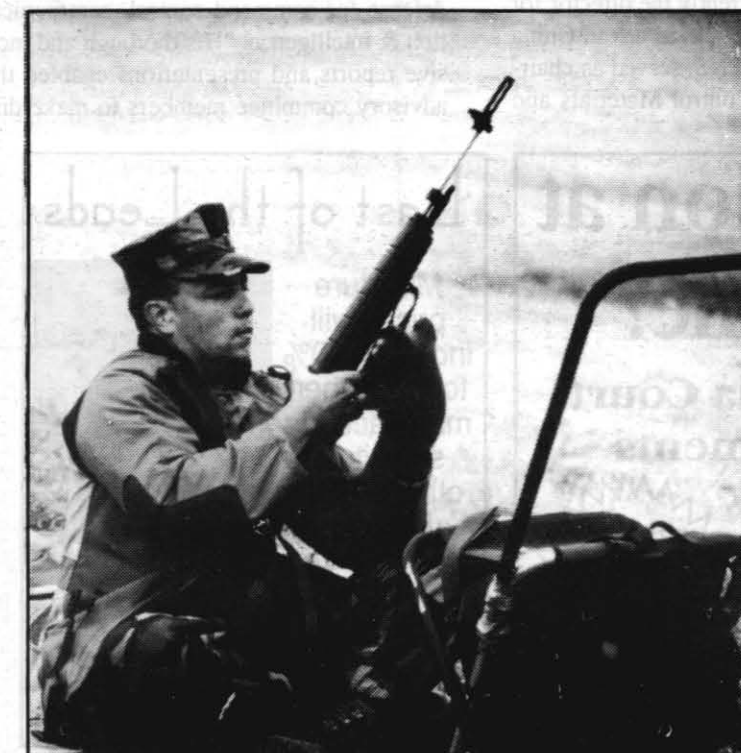


Photo by Terry Pascarella

PLACING eighth out of 29 teams, the China Lake pistol and rifle teams made an impressive showing at the recently held Pacific Fleet and All Navy matches. Showing Capt. B.J. Craig, NAWS China Lake CO, the individual awards are team members AOCM William McCracken, CWO3 Nelson H. Foucher and BU1 David Bowlsby. Not shown is AMEC Brett Ring.

Rifle Individual Competition, which was the second highest for Reservists, and sixth place in the Long Range Rifle (Any Sight) Category. In addition, Foucher coached the Pacific Fleet USNR Rifle Team to a second place finish.

Foucher noted that without Command support, China Lake's reputation for having one of the best competitive pistol and rifle programs in the Navy wouldn't have been possible. "These awards aren't just the pistol and rifle teams," he said. "They belong to a lot of people—Command; Military Admin; Morale, Welfare and Recreation Department; the people out at the magazines and those who order our weapons for us; the Security Department that takes care of our weapons and the dispatchers who give us the key three mornings a week at 5 a.m., plus the team members themselves. Without this support, we couldn't have the team we have."



PREPARING for the next round is BU1 David Bowlsby, a member of the China Lake Rifle and Pistol teams. During the Pacific Fleet matches, Bowlsby earned enough points to qualify as a Distinguished Pistol Shooter.

AV8-B, from Page 1

to begin training toward full operational capability, while the validation process continues.

"First we want to be ensure the new aircraft software has retained all of its original functionality prior to the addition of the radar's functions to the OFP," said Maj. Branch. "Once we're satisfied the program operates as designed for the original Night Attack Harrier and is safe for flight, the new radar software will be validated and authorized for fleet release."

He explained that they will continue to validate the full capabilities of the air-

to-ground mode of the radar and then release that portion. The final phase will be the validation and release of the new air-to-air modes.

Capt. John T. Rahm explained that VX-5's role is of quality assurance. "Operational testing means we evaluate the aircraft's utility in a 'real world' sense," he said. "We put it through its paces, flying it in a variety scenarios, over a long period of time to see if its systems and sub-systems can hold up to the rigors of operational flight."

Capt. Rahm stated they evaluate the aircraft in two broad categories. "First, is

it effective?" he asked. "Do the changes add enough to the effectiveness and still satisfy the requirements? Secondly, we check it's suitability in terms of safety, human factors, repair rate and so on."

He explained the first two phases of the software release are joint evaluations; VX-5 and the AV-8B Program Office will share information throughout those two phases. "If we notice an anomaly with the software, we let the developing agency know and vice versa," he said. "In today's economic climate, with upgraded aircraft rolling off the assembly line, it only makes sense to

do the developmental testing (OFP validation) and operational testing at the same time. As the program matures, the third and final phase of operational test, which looks at all the air-to-air software, will be independent."

Maj. Branch noted that Harrier II-Plus costs were equally funded by Italy, Spain and the United States as part of a joint developmental program. He also said, as part of the Harrier's remanufacturing program, some older Day Attack Harriers will be disassembled and many of their parts reused to manufacture up to 70 additional Harrier II-Pluses.

Scott Randall receives Secretary of Defense Medal

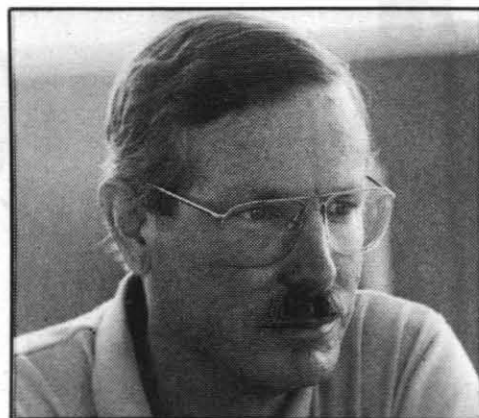
By Peggy Shoaf
Staff Writer

When the Naval Weapons Evaluation Facility in Albuquerque, New Mexico, was decommissioned June 4, Scott R. Randall, the facility's former technical director, went down to say goodbye to his old stomping grounds and to host a "farewell" party for the facility's employees. The party, however, turned into more than what Randall bargained for.

In the middle of the festivities, RAdm. William E. Newman, Naval Air Warfare Center Weapons Division commander, halted the reminiscing to present Randall with the Secretary of Defense Medal for Civilian Service for his work with the Department of Defense-chartered Nuclear Failsafe and Risk Reduction Advisory Committee.

With the end of the Cold War, the Department of Defense was tasked with the job of scaling down its nuclear arsenal and to change the posture of our nuclear forces, lessening the risk of inadvertently starting a nuclear war, Randall said. To help with this task, the Department of Defense created the federal advisory committee, which was active from August 1991 to October 1992.

Randall, who is currently the director for the Advanced Projects Office at the China Lake site of NAWCWPNS, served as chairman of the Positive Control Materials and



Scott R. Randall

Devices Study Group, a subgroup of the committee, from the summer of 1991 through September 1992. "My group was tasked with looking at coded devices that could be put on nuclear weapons, thereby improving control over those weapons," Randall explained.

Randall "assembled a team of professionals from many organizations in the Department of Defense and Department of Energy and directed detailed research and investigation on the implementation of coded control devices on nuclear weapons systems," read the citation, signed by Duane P. Andrews, then-assistant secretary of defense for command control, communication & intelligence. "His thorough and incisive reports and presentations enabled the advisory committee members to make dis-

cerning judgments on this complex and contentious issue."

In a letter forwarding the award to RAdm. Newman, Charles A. Hawkins, Jr., acting assistant secretary of defense, wrote, in part, "Mr. Randall's technical expertise in investigating very complex issues was key to the detailed and accurate report (by the advisory committee) which was submitted to and accepted by the secretary of defense."

Randall noted one of the hardest parts of the job was transcribing the reports so non-technical people could understand them. Under his guidance, Randall's group was successful in both the gathering information needed and translating that information into understandable presentations.

"Mr. Randall's expert leadership and insightful presentations throughout this national-level effort were instrumental in the development of recommendations whose implementation will substantially improve the security of the United States," Andrews wrote in the citation.

Randall started his civil service career as a junior engineer (GS-5) working on bomb racks at the Naval Air Systems Command in 1972. In 1982, he went to the Naval Sea Systems Command. He transferred to the Naval Weapons Evaluation Facility in Albuquerque in 1982 and came to China Lake July 12, 1992.

More noise expected due to closure of runway

China Lake and Ridgecrest area residents will experience an increase in military aircraft traffic over residential areas, beginning immediately, due to major construction work temporarily closing one main runway at the Naval Air Weapons Station China Lake. The closed runway, Runway 21, is generally used to launch and recover aircraft and runs from the northeast to the southwest.

Additionally, early morning flight activity is expected through the end of July, with aircraft launching as early as 5 a.m. According to a press release from the NAWS China Lake Public Affairs Office, every effort will be made, weather conditions permitting, to launch those aircraft from runways that put them over the range, rather than over the community.

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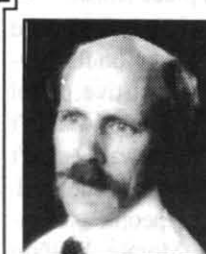
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All types of fireworks banned aboard NAWS China Lake

More than 11,200 fireworks-related injuries were reported to hospital emergency rooms in 1991.

The Fire Division at the Naval Air Weapons Station China Lake wants to remind everyone that the use of all types of fireworks is dangerous and also prohibited in all areas of NAWS China Lake. This includes the "safe and sane"

fireworks available in Kern County.

Hand-held sparklers are the number one cause of fireworks injuries among children under 10 years of age, and have been added to the list of fireworks that are illegal in California.

This prohibition does not include toy pistols and other devices using paper caps.

INDEPENDENCE DAY



Have a happy, and safe, Fourth of July weekend



Photo by Terry Pascarella

Everyone is invited to join the celebration at the fairgrounds

The Board of Directors of the Desert Empire Fairgrounds invites the entire community to participate in its free July 4 Celebration to be held at the fairgrounds starting at 6 p.m.

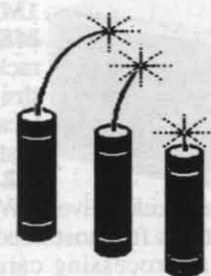
All entertainment is free! Musical entertainment will be provided by Common Ground Band and the Sierra Wind Flag Corp, featuring Carrie Cadle. Games and contests, presented by the Ridgecrest Rodeo Association, will be held throughout the evening. The free fire-

works show, courtesy of the generous donations of community businesses and individuals, will begin at dusk.

Plenty of food will be available from non-profit organizations. Friends of the Fair will be selling hot dogs, Polish sausages and beverages. The Knights of Columbus will have Knight Burgers, Pepsi and coffee for sale, while the Ridgecrest Rodeo Association will sell deep pit barbecue sandwiches, ice cream and Pepsi. The United Veterans Association will be selling fresh fruit and

Pepsi, while the Inyokern Call Firefighters Assoc. will have cotton candy and sno-cones on hand.

Fair officials remind people to not bring cans, bottles, ice chests or containers of any kind to the fairgrounds for this event.



President of the United States extends his holiday message

Two hundred seventeen years ago our founding fathers' words rang throughout the world as they declared our Nation's independence. These words were backed by the strong actions of the men and women of our Armed Forces, who served as proudly and courageously then as they serve today.

As members of the Armed Forces, you can be proud of the results of your efforts, which can be seen around the globe. From conducting military operations to providing humanitarian assistance to daily training maneuvers, you are a shining model of America values—dedication, responsibility and willingness to sacrifice. Wherever you are stationed, you can be proud that are a part of the United States Armed Forces.

Americans have great faith in our military. I know they join me in wishing you and your families a joyous and safe Independence Day.

Bill Clinton

Bill Clinton

Bill Clinton
President,
United States of America

Self Help: Department utilizes local program to save money

In these times of tight budgets, saving money is an important step and the Self Help Program at the Naval Air Weapons Station China Lake is doing all it can to save money for the Station, Naval Air Warfare Center Weapons Division and the government.

When Bonnie Jones, facility coordinator for the building at 75 Parsons, was tasked with preparing office space for 16 people moving here from the now-decommissioned Naval Weapons Evaluation Facility, Albuquerque, N.M., she knew she had to do it using as little money as possible, even though the Base Realignment and Closure funds were paying for the work.

Her first step was to recruit employees from her department who were on down time, being supported by overhead funds. The second step was to get the needed materials through the Self Help Office.

"By using unfunded (down time) employees from the Engineering

Department and material from the Self Help Program, Jones saved money all around," said Jerry Morrison, coordinator for the program.

"In about 83 working days, 17 rooms on the top floor of 75 Parsons were prepped and painted," he said. "Considering professional painters receive more than \$20 an hour and the people who did

the job receive less than that, a substantial amount of money was saved."

Jones noted the workers had to caulk and spackle holes before they could even begin the painting. Before the work began, the workers were briefed on what to do, and how to do it, by Zeke Caldwell and Jerry Davis, painters from the Public Works Department.

China Lakers performing the manual labor included Steven Hunsaker, the unofficial foreman; Vern Daley; Aunalee Love; Earl Sanders; and Ced Shermer. Ron Brigham, from Albuquerque, was the official team leader.

While the Albuquerque staff will be housed at China Lake, starting sometime in the middle of July, they are part of the In-Service Engineering Department of the Point Mugu site of the Naval Air Warfare Center Weapons Division.

"By using Self Help material and the unfunded employees, everyone made out," Morrison said. "China Lake saved money by putting their unfunded people to work on a JO, and the government saved money on the cost of manpower."



USING the NAWS China Lake Self Help Program and employees on overhead funds, the Engineering Department prepared 17 rooms for occupancy.

Incentives offered to resign, retire

Separation incentive pay is being offered by the Naval Air Warfare Center Weapons Division to employees in specific occupations who resign, retire regularly or retire early. Up to \$25,000 is payable to employees who are selected to receive the incentive currently being offered at China Lake and Point Mugu.

The window of opportunity to request a separation incentive continues through July 9. Employees must request the incentive by July 9, as requests after that date cannot be accepted.

A total of 412 separation incentives, 209 at China Lake and 203 at Point Mugu, will be paid to employees who separate during the period Sept. 30 and Jan. 3.

The Human Resources Department can provide retirement annuity estimates to employees to assist them in making a decision regarding the separation incentives. Employees interested in requesting a separation incentive must contact their PMA team as soon as possible to arrange an appointment.



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Two major events hit the Pittingers August 1945

By Virginia Pittinger

August 1945 was a momentous month for the world and a quietly joyous one for our family.

To help you understand our family joy, I must first explain that, Mary Jo, our daughter, was an adopted child. The doctor in Washington, D.C., who had brought us together, telephoned on the morning of August 3 to announce he thought it was time she had a baby brother.

Undaunted by our stunned silence, Dr. Ben went right on. "And I've got just the one for you—born today—a fine, strong little fellow. When can you come and get him?"

That was the first big thing to happen that August.

We told Dr. Ben we'd call him back and Pitt requested a meeting with Capt. Burroughs, who listened to his story with an ever-widening grin of understanding.

When Pitt was finished, Capt. Burroughs stood up and put out his hand. "Congratulations," he said. "Let's see what we can do about getting you back there." He rifled through the papers on his desk. "There are a number of things I need taken care of in Washington. Why don't you come back this afternoon after I've had a chance to talk to some of these people."

That's how it came about that Pitt was in Washington on August 6 when the second big thing—the thing so portentous for the whole world—happened.

Most of us on the base, along with most of the rest of the world, I suppose, neither recognized, nor understood the implications of our latest attack on Japan. All we knew was that our side had delivered a tremendous blow to the enemy and the end of the war was in sight. So great was this blow that sedate scientists and Naval officers were literally jumping up and down with excitement.

Luke Biberman, a civilian scientist, was one of them. He kept shouting over and over as he leaped into the air, "I knew it! I knew it! I knew it!" never lighting long enough for me to ask what in the world it was he knew that made him so ecstatic.

I learned eventually that it was the success of something called an atom bomb. That it had been dropped on Hiroshima; that there was no defense against it; and that it would bring Japan to its knees in a matter of days.

Three days later, on August 9, while Pitt was on his way home, a second bomb fell, on Nagasaki this time, and Japan was finished. Five days after that, on August 14, the end of the war was official.

For us, at that time, the A-bomb was merely the quickest means to end the war, saving thousands of American lives that would have been lost had it continued. That's what President Truman said, and that's what we believed.

It was a long time before I knew that the mushroom clouds of those days would cast long, dark shadows over all the years to come. It was even longer before I learned of the horrible devastation an A-bomb could cause, and of the hideous disfiguration of people who survived

the furnace of its heat.

In 1945, on VJ Day, all we knew or cared about was that the war was over, totally over, and we were the victors. A heaviness we had hardly known we were carrying, we had grown so used to it, was lifted from our shoulders, and we danced and sang and congratulated ourselves on a job well and truly done.

During this time Pitt was carrying out Capt. Burroughs' orders, taking care of the legal steps necessary in an adoption, and visiting his tiny son-to-be in the hospital.

(I am writing this just after returning from a visit to see our first great-grandson in another city. He was two days old when he was brought home, three days old when we saw him. As I held him in my arms—so tiny, so fragile, so precious—I could not help thinking of that other baby, his grandfather, the one Pitt brought across the country in an airplane when he was only a few days older than this.)

Seventeen hours it took them to get from Washington to Los Angeles in a DC3, and even

Remembering WHEN

with kind help from the stewardesses and friendly fellow-travelers, it was a long, arduous trip.

After flying all night and well into the morning, the plane landed in Los Angeles around noon. Pitt disembarked with the week old baby in a wicker laundry basket, well-padded with blankets and diapers, and with a depleted stock of bottles filled with formula. He had been told to telephone Lt. Bert Morris as soon as he got in. Bert, a NOTS pilot who was spending some leave with his family in Beverly Hills, would fly Pitt back to the base with him when his leave was over.

This Bert Morris was known to movie goers as Wayne Morris, a he-man hero type who played such roles as boxers and cowboys. His blond, rugged good looks also made him look like the ideal Hollywood version of a war-time aviator, a part he played with honest conviction and devotion to duty.

When Pitt called, Bert urged him to come to the house and join their barbeque party before flying out later in the day. Although a party sounded as appealing as a winter dip in the Pacific at that moment, Pitt agreed. He got himself into a taxi, told the driver where he wanted to go, and all being quiet in the basket, he fell

asleep.

The taxi driver not only woke him gently when they arrived, but also carried the basket up the front steps and set it down at the door.

"You look terrible, like you've been through the war." He grinned. "Get it?" He took his fare and left, throwing some parting advice over his shoulder. "Better get some sleep...soon."

Pitt rang the doorbell and leaned heavily against the stone wall. No one came. He rang again. No one. The sound of laughter and voices penetrated the fog of his weariness and since it seemed to be coming from the patio, he decided to go back there.

He looked down at the basket where the baby was still sleeping, decided he couldn't even lift it up again, let alone carry it so far, and set off down the path without it.

While he was doing this, Mrs. Morris was finally making her way to the front door. The shock of seeing a foundling on her doorstep immobilized her for a moment. Then she turned and tore through the house screaming, "Bert...Bert," every step of the way. Bert was no more prepared for a baby than she was, either as a foundling or a passenger.

"No one told me about any baby," he was muttering when they were at last at the airport and he began what should have been his final check of the plane before they took off.

Pitt caught some of his conversation with himself every time he passed by him and the baby.

"A baby!" he groaned at one point. "My God, suppose something happens to him on the flight?" Round he went again. "And what about the noise? This B-25 has got to be the noisiest damn plane in the world." Yet another round. "And where the hell are we going to put him? God knows, this isn't any passenger plane."

After three more rounds of muttering and inspecting Bert could stall no longer. He was ready to take off.

Pitt reassured him about the noise. Dr. Ben had said that would not hurt the baby's ears. As for where to put him, they had no choice. There was no place but the bomb bay!

Capt. Burroughs, Mary Jo and I were at Armitage Field to meet the plane. We were mostly thinking and talking about the baby and were totally unprepared for the sorry condition of the father and husband who had brought him home. Pitt, unshaven for almost two days, exhausted to the point of falling asleep on his feet, managed a crooked smile. He suffered Mary Jo's hugs, my kisses, and Capt. Burroughs' "well done" accolade, then gratefully abandoned his burden to me.

The baby was beautiful! He had dark hair, long, slender fingers and a deep dimple in his chin. After examining him Mary Jo said sadly, "I can't play with him. He's too little. What's his name?"

"From this minute on," I said, "it's Lincoln Bowne Pittinger."

We were a completely happy family. The war was over. . . we had a beautiful little daughter and now a small, sturdy son . . . and we were living in the best of all possible worlds.

Weren't we?

get my education, I wanted to pay some back," she said about her teaching. "I want to thank China Lake for making the opportunities available and the supervisors who allowed me to take advantage of those opportunities. And I want to thank Vicki Munro and Cecil Webb for recommending me for this award, and my boss, Mike Stringham for making the nomination."

She also said she couldn't have gotten where she is without the support and understanding of her family. Besides Bill, the family includes Revelle, 20, who was named after the college at UCSD where Michelle met Bill, and Brandi, 14. Revelle is a student at UC Santa Barbara, and Brandi will start Burroughs High School in the fall.

Bailey said the family had to make some sacrifices while she was earning her degrees. "One year we didn't go skiing at all," she said. "I was too busy studying differential equations on Saturdays."

Basically an outdoors couple, Michelle and Bill enjoy swimming and running, and they usually take their vacations on bicycles. This year they're planning a two-week trip of about 600 miles.

"Since we're both workaholics," she said, "I guess you could say our other hobby is work."

In addition to all that led to her recent award, Bailey is still pursuing her education. She's taking some refresher math courses to get ready for another external degree program. This time she's after a master of science in electrical engineering from Cal State Northridge. And, as if this weren't enough, she's also enrolled in the Senior Executive Management Development Program through the Training Center.

Career Transition and Placement Center opens



Photo by Terry Pascarella

CELEBRATING the opening of the Career Transition and Placement Center, located in a trailer behind the Training Center, are Jean Simoneau, Gail Bigelow, Jeanette Bournival, John Powers, Dee Quashnock and a visitor. The CTPC offers employees the opportunity to take charge of their careers, whether at China Lake or another location. The center is open from 1 to 4 p.m. Monday through Friday, except flex Fridays.



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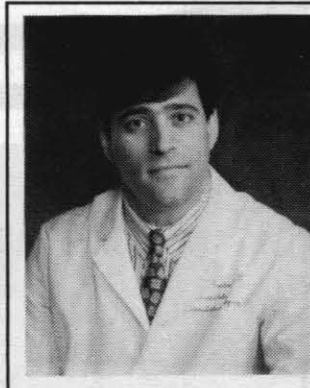
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William Parsons' Personal Development Award

Michelle Bailey wins national recognition

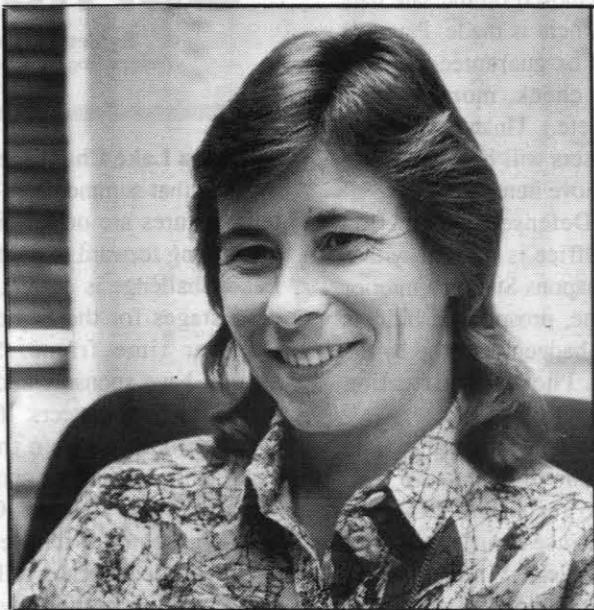
By Barry McDonald
Editor

Michelle Bailey, this year's William Parsons' Personal Development Award winner, can write B.S. and M.S. after her name, thanks to the opportunities extended to her at China Lake. But it's the designator in front of her name that brought her to the Indian Wells Valley in the first place.

"I only had a year of college when I got my 'Mrs.," she said, pronouncing the letters individually, with a straight face. After her freshman year at UC San Diego she married Bill Bailey, who was on a fellowship at the school from the then Naval Weapons Center. He hadn't proposed with promises that she could continue her education; getting married was her suggestion.

Presented to Bailey, June 10, by the College Federal Council for Southern California and the Greater Los Angeles Federal Executive Board, the Parsons' Award recognizes an employee of a federal agency who has made significant strides in personal development, career advancement and continuation of education related to their career field. She was selected from a field of some 30 nominees, and there were two runners-up.

After moving to Ridgecrest in 1970, Bailey enrolled in college classes at the Bakersfield Junior College Extension in Ridgecrest and worked in the student bookstore. She said she'd been wondering what to do with her career, and "Bill said, 'Why don't you take some computer programming classes? You're a nitpicker. You'd



Michelle Bailey

probably be good at it.' That's how this started. It's all his fault," she said.

She waited to get her associate of arts degree until she could get it from the new college, Cerro Coso, in 1974. Then she went to work as a technical illustrator "at Genge Industries [precursor to Comarco]...so you can see how long I've been around," she said with a smile.

She continued to take courses at Cerro Coso even

after being hired as a clerk typist at NWC. She still wanted to get a bachelor's degree and realized the only way to do that was through a fellowship. But she had to be in a technical field to get the fellowship. So, she applied for and was accepted into the Upward Mobility Program in early 1977. Completing what should have been a two-year program in just seven months, she became a math technician and started doing computer programming.

In the fall of 1979 she began a fellowship at the Naval Postgraduate School at Monterey, returning a year later with her bachelor's degree in computer science to start junior professional tours. She also began graduate work through the external degree program with California State University, Chico.

From 1982 to 1984 she worked as a programmer for the Advanced Common Intercept Missile Demonstration Project. She earned her master's in computer science also in 1984. Then, in 1985, she became lead software engineer for the AIM-9R Sidewinder, earning the Technical Director's Award in 1989.

In 1991, she became the AIM-9R system engineer. Earlier this year she left Sidewinder to become head of the Advanced Signal Processing Branch, Code C2943.

During her time with Sidewinder, she found time to teach college, too. In 1985 and 1986, she taught assembly programming at Cerro Coso and was a lab instructor in computer science for Cal Sate Chico in 1987 and 1988.

"I felt since I was given such great opportunities to

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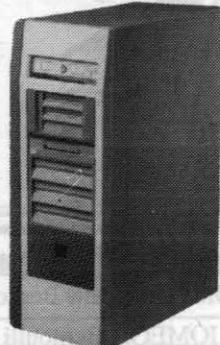


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Local firefighter saves life of a 17-month-old baby

Kern County paramedic thanks Perry Steinhoff for his 'heroic efforts and total selflessness'

By Peggy Shoaf
Staff Writer

With grave misgivings, Perry Steinhoff, who was driving home to Weldon from Bakersfield with his wife and two children, saw a truck stopped in the west-bound lane of Highway 178, just inside the mouth of Kern River Canyon, and the driver trying to flag people down.

"He acted as if he was intoxicated or real frantic," Steinhoff remembered. But despite his misgivings, Steinhoff, who is a firefighter with the Naval Air Weapons Station China Lake Fire Division, couldn't ignore the plea for help, as many other drivers along the road were doing. Pulling over and rolling down his window, Steinhoff asked the man what was wrong.

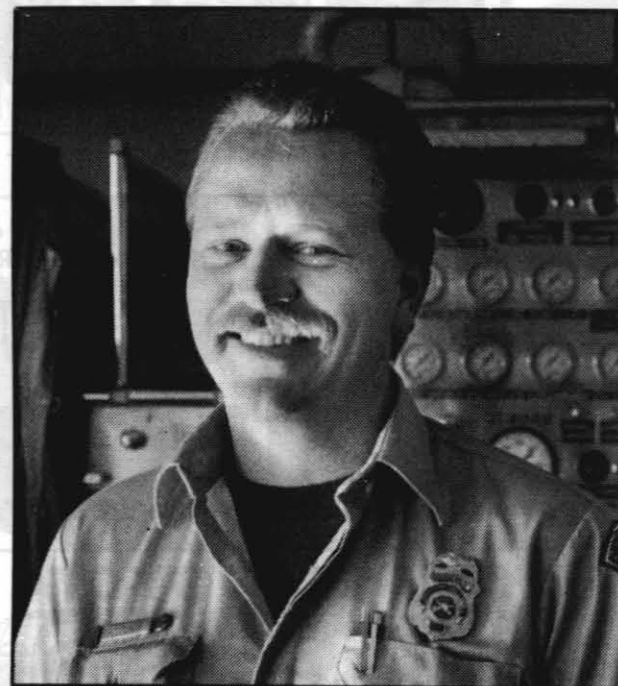
He was told a pickup, carrying the man's wife and child, had gone over the canyon's cliff.

Not wanting to leave his wife, Deanna, and his children, Tiffany and Garrick, alone with a person he didn't know or trust, Steinhoff said he waited until a friend of his, Mike Gallagher, stopped alongside him.

With Gallagher holding Steinhoff's spotlight, Steinhoff climbed down 200 feet of steep, rocky terrain to the car, which was empty. "There was no one in it," he said. "The seat belts didn't look as if they had been used and there wasn't any car seat (for the child)."

He started looking around the vehicle and when he couldn't locate anyone, he searched for the path the car had taken down the embankment. He soon found a 17-month-old child head-down in the rocks. He could see that she was breathing and moved the rocks to free a wedged hand to pick her up. She was stunned, but conscious. "She was really scared," Steinhoff said, "and all covered in blood."

He picked up a windbreaker he noticed laying close by and put it over his shoulder, lifting the child to lay on the jacket. "After one or two steps, I almost dropped the baby," he said, "because of the rocks. It scared me to death."



Perry Steinhoff

Steinhoff made his way back up to the road just as the ambulance arrived and turned the infant over to the paramedics. He then joined other Kern County firefighters arriving on the scene to search for the mother. The mother was found dead and Steinhoff wondered if he could have prevented her from dying. "I talked to the police later though, and they said there was no way she could have lived through the wreck," he said.

In a letter sent to China Lake Fire Chief Lee O'Laughlin, Dennis H. Johnson, a Kern County paramedic with the Golden Empire Ambulance, praised Steinhoff for his actions that night. "(My partner and I) arrived on scene to find a small truck approximately 200 yards over the side next to the river," the letter reads. "I also saw a man (Perry Steinhoff) cresting the canyon wall with a 17-month-old infant in his arms, both him and the infant were covered in dirt, mud and blood. The

infant was critical and needed rapid advance life support care to save her life.

"The child was in shock, rapidly losing blood from a head wound, had skull fractures, a possible broken leg and a severe closed head injury, all a result of being ejected out of the truck and not being in a child seat when the truck rolled.

"I believe the selflessness of your firefighter, Perry Steinhoff, saved this baby's life. It was pitch black and would have taken us forever to search the area for the infant.

"I did not get to thank him myself and would like to take this opportunity to formally thank him for his heroic efforts and total selflessness that helped us in saving this infant's life. Perry Steinhoff portrayed the exact actions that I and all emergency personnel strive for. He is one to be proud of!"

In a story reporting the accident, the *Bakersfield Californian* reported Kern County Fire Captain Mike Cody as saying Steinhoff will likely receive a county commendation for his efforts. "Really something special," the paper reported Cody as saying. "He's to be commended for his actions."

Steinhoff said the police are still trying to determine why the mother and child were in one vehicle and the father in another one. They are also still looking into why the mother's vehicle veered off Highway 178 and down an embankment in Kern Canyon. The answers, he admits, are something they may never find.

Steinhoff joined the China Lake Fire Division in 1986. Prior to that he served as a firefighter with the Forest Service, responding to other accidents in the Kern Canyon. But, he noted, this was the first time he was really able to help someone else. "They were either already dead or able to get themselves out (of the canyon)," he explained. He credits God with guiding him to where the baby was located and helping to save her life.

According to the reports, despite severe head injuries, the baby is improving, Steinhoff said with a smile.

Deputy commander for test, evaluation earns Presidential Rank Award

(Editor's note: This article is condensed from the one appearing in the June 3 issue of The Missile.)

Only a few receive the Presidential Rank Award. This prestigious award is given annually to recognize prolonged, high-quality accomplishment by a select number of career members of the Senior Executive Service.

Gerald Wrou, Naval Air Warfare Center Weapons Division deputy commander for Test and Evaluation is the recipient of the 1992 Presidential Rank Meritorious Executive award. He was recently presented the award in Washington, D.C., by Adm. Frank B. Kelso II.

RAAdm. William E. Newman NAWCWPNS commander, nominated Wrou. Newman wrote in his nominating letter, "Mr. Gerald M. Wrou is a leader, a technologist, an innovator and an outstanding manager. His efforts to ensure that his customers, Naval aviation and the Department of Defense, receive an ever increasingly effective and efficient product and service at a continually decreasing cost to the taxpayer have been the foundation to his recognition within the research, development, test, evaluation and operational community as one of the government's finest.

"He was convinced that a change was necessary in the way the Navy was organized to conduct research, development, test and evaluation if we were to improve.

His efforts as a change agent began in January 1990, and he met strong resistance to his views. His motivation for change was based on the recognition that without change we could not improve the quality of our products and services and at the same time reduce to cost to the customer.

"Mr. Wrou's accomplishments provided the foundation to go forward with center realignments. Mr. Wrou has continually pursued product or service improvement at reduced cost. His recognized technical reputation and his skills as a manager have been the tools that have served him in his quest for excellence within the Navy and DoD," Newman concluded.

A Presidential Rank Award is among the highest honors a public employee may receive. In talking about this honor, Wrou said, "I've always believed that in most of the roles I've played since I came here, that I'm a little bit like a coach of a team. If we didn't have the skilled, bright, energetic, highly-motivated people that we have, I could have all great plays and not get anything out of them. This award belongs to the people.

"This award is satisfying because it is for pulling together four diverse cultures; Point Mugu, China Lake, White Sands and Albuquerque, and making it one culture—that of NAWCWPNS.

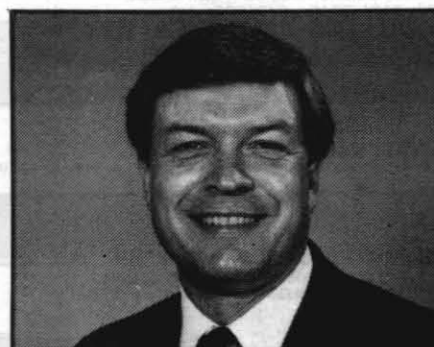
"I believe good guys win. I get more satisfaction seeing the fruits of what we've done with the consolidation

and the reorganization than in receiving this award. Someday, when I look back at this place, I'd like to think I left a little something of me in it," Wrou said.

He can add this award to others he already has received. Those include a Navy Meritorious Civilian Service Award in 1990, and several SES bonus awards. He was Point Mugu's Outstanding Professional of the Year in 1971.

Wrou began his career with Point Mugu in 1960 as an aerodynamics and digital system engineer. He has headed Systems Integration, Weapons Control and Software, and Tactical Embedded Computer Resources divisions.

In June 1986 he became the associate director for Electronic Warfare Directorate until August 1989, when he took the position of director of the Range Directorate.



Gerald Wrou

Surplus property will be sold at government auction July 7

Local Auction 41-3301 of surplus government property will be held by the Defense Reutilization and Marketing Office at China Lake on Wednesday, July 7.

The auction will begin at 9 a.m. in Building 1073, Warehouse 41.

Among the more than 250 items to be offered will be machine tools, Arriflex cameras, personal computers, printers, typewriters, plotters, camera lenses, work benches, ammo storage magazines, air compressors, wall lockers, furniture, desks and chairs, and generator sets.

The items will be on display for inspection July 1 and 6 from 7:30 a.m. to 2:30 p.m. A complete list, as well as sales terms and conditions, can be seen at Building 1073, Warehouse 41.

Registration will begin at 7:30 a.m. on the day of the sale. Bidders must be present and registered to bid. Mailed bids cannot be accepted. Items pur-

chased may be removed on the sale date provided full payment is made. Payment must be in cash or guaranteed instrument (cashier's check, money order, traveler's check, etc.). Unless otherwise specified, purchasers will have until July 14 to pay and remove items.

Because the Defense Reutilization and Marketing Office is located within the Naval Air Weapons Station's interior security fence line, prospective bidders without a NAWS badge must stop by the Visitor's Center. Photo identification will be required.

Hours of operation at Sandquist Gate are 6-8 a.m., 11 a.m. to 1 p.m., 3-6 p.m. Those wishing to reach the DRMO at other times must use Lauritsen Gate. Both routes are indicated in the auction catalog. Naval Air Weapons Station will be closed Friday, July 2.

For further details, contact Phyllis at 939-2502/2538.

Incorrect lodge given credit for hosting bingo game to aid China Lake employee

In the June 17 issue of *The Rocketeer*, The Elks Lodge was erroneously given credit for hosting a bingo night to help the Procurement Department raise

funds for fellow co-worker Alvina Quintanilla. The Eagles Lodge was the place that hosted the benefit. *The Rocketeer* staff sincerely regrets the error.

Wellness Corner

By Betty Miller
Wellness Program Coordinator

China Lake Challenge

Now that summer is in full swing and temperatures are on the rise, you might be looking forward to the fall. The China Lake Challenge is currently in the planning stages for the September-, early-October time frame. Some events already have sponsors and we are looking for more volunteers. If you are interested in helping plan the Challenge, assist with publicity or sponsor an event, please call the Wellness Office at 939-2468. A theme for this year's Challenge is still needed. Please call the Wellness Office with suggestions by July 8.

Fall Blood Draw

Another event that is in the planning stages, is the Fall Blood draw, scheduled for September. This is the full chemistry panel with complete blood count. The prostate cancer screening option will be

Wide variety of activities now being scheduled

available again for men through this panel. More information will be in future *Rocketeers*.

Wellness Lectures

Jenifer Mason, Associate Director, Cooper Wellness Program in Dallas, Texas, will be at the Naval Air Weapons Station China Lake Aug 4. Dr. Mason will be presenting four different wellness lectures in Michelson Lab, Room 1000D (please see the Announcements insert for the class descriptions). Before joining the Cooper Wellness Program, Mason worked as a health education specialist for one of the largest preferred provider organizations in southern California where she designed and implemented health education programs. She has also worked as an exercise physiologist for six years at a hospital based Center for Health Promotion.

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drone control or special programs. Manned flight tests are performed by the incumbent to evaluate new configurations and procedures, modified control systems, and maintenance actions. Typical flight tests may involve flying the aircraft outside of approved flight envelopes with the additional task of obtaining data points for test and evaluation. Flight profiles frequently require in-flight refueling and night over-water flights. Also, acts as out-of-sight controller during manned and unmanned aircraft and missile target operations. Responsible for training new pilots in tactical employment of the aircraft, post maintenance check flight procedures, and drone control operations. Assist in developing and carrying out ground and flight test plans. **Quality-Ranking Factors:** Knowledge of and the ability to fly fighter and/or attack jet aircraft. (This requirement must be met through experience as a military or civilian pilot flying fighter and/or attack jet aircraft.) Ability to assist in developing and carrying out ground and flight test plans. **Qualifications Required:** (1) Must have a current Commercial Pilot Certificate or an appropriate military rating, i.e., Standardization Evaluation and/or NATOPS qualified with current

F-4 rating; (2) Valid Instrument Rating or Special Rating; (3) 1500 hours of total flight time. Flight time as pilot-in-command or co-pilot in aircraft of any weight or category is creditable for this requirement; (4) 250 hours as pilot-in-command, only flight hours as pilot-in-command may be credited; (5) 75 hours of night flying; and (6) 100 hours of the total flight time requirement must have been acquired within the last 12 months. **Notes:** "This position may be filled at the GS-12 or GM-13 grade level. If selection is made at the GS-12 grade level, the incumbent may be promoted to the GM-13 grade level without further competition; however, this is subject to approval of the high grade freeze waiver from NAVAIR. In addition, the following conditions must exist: (1) OPM requirements are met; (2) management determines the incumbent is performing at the higher grade level; and (3) there is work at the higher grade level to justify promotion. **PROMOTION IS NOT GUARANTEED.** **MEDICAL REQUIREMENTS:** Incumbent will be required to obtain or possess a current first class medical certificate in accordance with FAA regulations at the time of appointment. **THIS POSITION IS A DRUG TESTING DESIGNATED POSITION.**

INCUMBENT MUST BE ABLE TO OBTAIN A SECURITY CLEARANCE.

CHINA LAKE

No. C024-007-PB-93, Secretary (Typing), DG-318-3, Weapons and Tactical Analysis Center (WEPTAC) and three branches, C0243—Area of Consideration: NAWCWPNS, China Lake. **Opening Date:** 07-01-93. **Closing Date:** 07-07-93. **Selecting Official:** Larry Lincicum, 939-2353. **HRD Contact:** Pat Baczkiewicz, 939-8108. **Permanent Change of Duty Station Expenses Authorized:** No. **Summary of Duties:** Provides secretarial support to the Division. **Quality-Ranking Factor:** Ability to obtain and maintain a Secret clearance, perform receptionist and telephone duties; prioritize, schedule workload, and calendar; deal effectively with all levels of personnel up to and including Flag-level, both on-Center and Headquarters level; and train clerical personnel and organize workload of clerical staff processes.

POINT MUGU

No. NSC-001-JS3, Secretary, GS-318-5/6, Systems Department, Naval Satellite Operation Center (NSOC), Code NSOC200—Area of Consideration: NAWCWPNS, Point Mugu. **Opening Date:** 07-01-93. **Closing Date:** 07-09-93. **Selecting Official:** Lt. LaRock, 989-4224. **HRD Contact:** Julie Simental, 989-3306. **Permanent Change of Duty Station Expenses Authorized:** No. **Summary of Duties:** The incumbent of this position provides the principal administrative and clerical assistance for the Head, Systems Department and the Staff. In addition, the incumbent will perform personnel security work for the Command Security Manager. **Quality-Ranking Factor:** Ability to perform basic secretarial duties such as, but not limited to, preparing and reviewing correspondence, completing standard office reports, filing office material, and determining when new procedures are required. **Notes 1 and 5 apply.**



NAVAL AIR WARFARE CENTER WEAPONS DIVISION

ANNOUNCEMENTS



CHINA LAKE GENERAL ANNOUNCEMENTS

GRADUATE RECOGNITION FOR THOSE IN NAWCWPNS, CHINA LAKE ACADEMIC PROGRAMS

A "Graduate Recognition" presentation will be held to acknowledge graduates from the NAWCWPNS, China Lake-sponsored academic programs (the Co-op Programs, on-site sponsored degree programs, and the fellowship program). The event will be held at Mich Lab, Room 1000D from 1300 to 1340 on **5 August**. **Speakers** for this event will be Sterling Haaland, Deputy Commander for Research and Development, NAWCWPNS; Dr. David Ost, Dean of Extended Studies and Regional Programs, Cal-State University, Bakersfield; Dr. Diane Schwartz, Interim Dean of the School of Engineering and Computer Science, Cal-State University, Northridge; Dr. Orlando Madrigal, Chairman of Computer Science Department, Cal-State University, Chico; Dr. Ronald Derr, Head of the Research Department, NAWCWPNS and the FY93 Chairman of the NAWCWPNS Fellowship Committee; and Ms. Ann Kuratori, Associate Head of Equal Opportunity and Employment Division, NAWCWPNS. Friends, supervisors, co-workers, and instructors of the graduates are invited to attend.

CSUC COMPUTER SCIENCE ADVISING

Dr. Orlando Madrigal of Cal-State University (CSUC), Chico will be at China Lake on **5 August** to advise current and prospective students in the external degree programs in computer science offered by CSUC. The programs lead to bachelor's and master's degrees. To make an appointment with Dr. Madrigal, call Denise at 939-2648.

TRANSITION ASSISTANCE PROGRAM WORKSHOP

Are you retiring from the military soon? Are you transitioning into the civilian world? The next Transition Assistance Program workshop will be **26-29 July**. The workshop consists of resume-writing techniques, how to conduct yourself at the interview, personal assessments, and negotiating job offers. A full day will be devoted to military information such as travel claims, moving arrangements, veteran's benefits, educational benefits, Small Business Administration, and much more. For more information contact the TAMP Office at 927-3785 or 927-1545. **ATTENTION SPOUSES:** We want to extend a special invitation to you. The workshop will be held at the NAWS Conference Center on King Street.

HIGH DESERT ENGINEERING ASSOCIATION DINNER

The High Desert Engineering Association (hIDEA) will hold a dinner at the Carriage Inn on Friday, **19 July**.

Cocktails will be served beginning at 1800, dinner will be served at 1830. Dinner will include your choice of Beef (Boeuf Bourguignon) or Fish (Fillet of Sole). The cost for the dinner is \$15 for tickets purchased before **21 July** and \$20 for tickets purchased after **21 July**. The master of ceremonies is Dr. Ronald L. Derr, Head, Research Department (C023).

The evening's program will begin at 1930 with guest speaker Dr. Harold E. Bennett. Dr. Bennett is a Senior Scientist in the Physics Division, Research Department. He is a Fellow of both the Optical Society of America and the International Society of Optical Engineering (SPIE). Recently he served as president of SPIE and is presently a cochairman of the Symposium on Laser-Induced Damage in Optical Materials (the Boulder Damage Conference). In addition to numerous reports, he has published over 100 papers in the open literature. Dr. Bennett will speak on Laser Power Beaming to Satellites at China Lake. China Lake is an ideal site for a laser power beaming system and currently one is planned for installation.

For more information contact Ed Brann at 375-1126. To purchase tickets contact Jim Serpanos at 939-2619; "Tree" Crabtree at 927-1507; or Valerie Rogers at 939-3515.

VOLUNTEER NEEDED

The Transition Assistance Management Program Office (Code C8106) needs a volunteer who is a self-starter with strong organizational skills to work independently on a special project. Flexible hours.

For further information, contact Phyllis Bunker at 927-3785 or 939-1018.

POLE LINE ROAD CLOSURE

Pole Line Road is tentatively scheduled for repairs beginning **21 June**. The location of closure will be immediately north of the N. Knox turnoff from Pole Line Road extending to Building 31598. The road will be closed for approximately 6 weeks. Occupants of Building 31598, Area "R," and other affected buildings will have to detour either on N. Knox Road to Water Road, or continue on Lauritsen Road to Sandquist Road to Water Road.

For more information contact Ron Metevier at 939-4409 or Mel Berry at 939-4405.

MACINTOSH SYSTEM 7.1 AND MAC TCP SOFTWARE LICENSING

With the release of System 7.1, Apple discontinued its policy of allowing free distribution (no-cost copying of the floppies) by user groups and dealers. If you plan to use System 7.1 on your Mac, you are obligated to purchase a copy (about \$90 for a complete package with documentation or \$37 for an update from System 7.0 or 7.0.1).

To reduce Center-wide costs, the Information Systems Department is investigating an immediate (by Thursday, **15 July**) NAWCWPNS-wide site license for Macintosh System 7.1 and MacTCP 1.1.1.

Because the site licenses may not include reimbursement for already-purchased copies, we suggest you do not buy any additional copies at this time.

For more information contact Pat Connell, C633, 939-2615 or Chuck Jones, C6303, 939-1318.

THE WOMEN'S CENTER

The Women's Center-High Desert, Inc., provides a variety of support services to people in the valley. Three programs are sponsored by the Women's Center: the Women's Shelter Network, a domestic violence program, 24-hour hotline, 375-7525; the Sexual Assault Response Team, a rape crisis program, 24-hour hotline, 375-0745; and the Problem Pregnancy Counseling program, 446-7491. For more information about the programs and other services available at the Center call Sue Jetter, Executive Director, at 446-7491.

386 COMPUTER SYSTEM NEEDED

The Control Systems/Software branch is looking for a 386 DOS computer system that can be borrowed for 6 to 8 months. If you have a system available contact Dave Fors, C3823, at 939-2289.

ANALOGIC AP500 FLOATING POINT ARRAY PROCESSORS

C2325 has three Analogic AP500 Floating Point Array Processors that are excess equipment.

For more information, call Greg Cote or Betty DeBold at 939-1576.

THRIFT SAVINGS PLAN (TSP) RATES OF RETURN

According to the latest TSP fact sheet, the rates of return for the three investment funds were

	C Fund	F Fund	G Fund
May	2.66%	0.10%	0.51%
Last 12 Months	11.74%	11.01%	6.82%

C Fund—Common Stock Index (Stocks)
F Fund—Fixed Income Index (Bonds)
G Fund—Government Securities

EMERGENCY TELEPHONE STICKERS

Emergency telephone stickers are available at the Fire Division Office (C842). The stickers have the 911 telephone number that should be used for all ambulance, fire, and police emergency services for Naval Air Weapons Station employees. This number should be posted on all station telephones. To obtain these stickers contact the Fire Division Office at 939-2146. Only order the amount that you need for the telephones in your office or building.

MAMMOGRAPHY SCREENING

The Wellness Program (C62206) will sponsor a mammography screening for NAWCWPNS/NAWS employees and their spouses. Valley Technological Services (VTS) will have its mobile mammography unit in front of the Administration Building (0001) on **9, 23, & 29 July**. The cost of the x-ray exam is \$60. Participants must be 35 years old to participate unless referred by a physician. VTS is accredited by the American College of Radiology. To schedule an appointment call (800) 458-3385.

RETIREMENTS

JOAN WITWER

Joan Witwer (C277) will be retiring after 22 years of Federal service, 21 of which were served at China Lake. A farewell party will be held in her honor at El Charro on Friday, **23 July**. There will be no-host cocktails and hors d'oeuvres from 1700 until 1900. For reservations, presentations, or gift donations, contact Carolyn Dunn (C27702) at 939-7235 or Betty Aley (C2774) at 939-7976 by **19 July**.

FRANK WILLIAMS

Frank Williams (C2522) is retiring after 34 years of Federal service, 15 of which were served at China Lake. A farewell party will be held in his honor at the VFW, 117 North Alford, on Friday, **9 July** at 1800. Presentations will begin at 1900. Submarine sandwiches, salads, chips, relish trays, beer, and wine will be served at a cost of \$5 per person. Payment is requested in advance. For reservations, presentations, or gift donations, contact Nancy Means at 939-3483, Mich Lab, Room 104.

J. THOMAS CONAWAY

J. Thomas "Tom" Conaway is retiring after 30 years of Federal service. A farewell party will be held in his honor at the Seafarer Club on Friday, **16 July**. A social hour will begin at 1800. Heavy hors d'oeuvres will be served at a cost of \$7 per person. A no-host bar will be provided with presentations to follow. Advanced ticket purchase is requested. For more information or ticket purchases call Katie Luecken at 939-2878 by **2 July**.

CHINA LAKE

MORALE, WELFARE AND RECREATION DEPARTMENT JOB OPPORTUNITIES

To establish a roster of eligibles to fill positions as they occur, applications (SF-171) will be accepted by the MWR Personnel Office, Building 00021, on a continuing basis for those positions listed below. Some positions that are filled through specific vacancy announcements will have the announcement numbers listed below. Interested individuals may apply for positions in Administration, Recreation, Clubs, Snack Bars, Auto Hobby, Craftech, Child Development/Youth Services, Maintenance, and BOQ through the voluntary application file.

Applicants must submit one SF-171 for each position (with job title identified) for which they wish employment consideration. As vacancies occur, qualified applicants will automatically be considered. Selection will be based on experience, performance evaluations, commendations, and qualifications for the specific position.

NOTES

- Applicants must meet all physical and legal age requirements where applicable.
- Competition is restricted to U.S. Citizens and Legal Resident Aliens authorized to work in the U.S.
- SF-171s must be updated every 6 months; failure to update will result in removal from file. Failure to respond to phone messages or written inquiries will result in removal from file.
- Positions may be full or part-time, flexible, temporary, day or night shift, or weekends. It is very important to indicate the number of hours you will work in Item 15 of the SF-171.
- Incomplete applications will be returned. This delays consideration for open positions.
- NOTE:** APPLICATIONS ARE ACCEPTED FOR THE POSITIONS LISTED BELOW ON A CONTINUING BASIS UNLESS A VACANCY ANNOUNCEMENT NUMBER APPEARS BEHIND THE JOB TITLE.

NAWS CHINA LAKE MWR DEPARTMENT

Food Service Worker, NA-7408-02/3/4, open continuously, flexible up to 40 hours per week. Incumbent performs a variety of manual tasks in food and beverage preparation. Previous food service experience preferred. \$5.14 per hour.

Food Service Worker, NA-7408-01, open continuously, flexible up to 40 hours per week. Duties may include busing tables to assisting in kitchen to delivering pizza. \$4.62 per hour.

Recreation Aid, NF-0189-1, various recreational facilities, such as the gym, youth center, bowling center, etc. Open continuously. Most positions are flexible schedule and salary starts at \$4.75 per hour.

Recreation Aid-Lifeguard, NF-0189-1, Sports Division, open continuously, flexible up to 40 hours per week. Incumbent must hold a valid Red Cross Advanced Lifesaving Certificate or higher certificate. Must have taken current CPR Course. \$5.20 - \$8.79 per hour.

Bartender, NA-7405-03, Clubs Division, open continuously, flexible schedule, experience preferred. \$5.64 per hour.

Custodial Worker, NA-3566-1/2, Combined Bachelors Quarters, open continuously, flexible schedule up to 40 hours per week. \$4.62 per hour.

Child Development Program Assistant, GSE-1701-2/3/4/5, Child Development Center, open continuously, flexible schedule up to 40 hours per week. Minimum requirement high school graduate or equivalent with 1 year child development experience desired. \$6.41 per hour.

Waiter, NA-7402-1/2, Clubs Division, open continuously, experience preferred, flexible schedule up to 40 hours per week. \$4.62 per hour.

Point of Contact: Morale, Welfare and Recreation Department Personnel Assistant, Bldg. 00021, China Lake, 939-2010.

The NAWCWPNS Announcements and Human Resources Department Information are published by the PAO and inserted in China Lake's "Rocketeer" and Point Mugu's "Missile" newspapers on the Thursday before payday. Copies of the insert are provided to the Albuquerque and White Sands sites. Personnel at China Lake, Albuquerque, and White Sands may send items for the Announcements section to C08033, Attn: Barry McDonald, FAX 939-2796 (DSN 437-2796). Personnel at Point Mugu may send items for the Announcements section to P0703, Attn: Pat Hollenbaugh, FAX 989-1785 (DSN 351-8094). Items included in the Human Resources Department Information section are provided by the Operations, Human Resources Development, and Employee/Labor Relations Divisions of the Human Resources Department. The deadline for all submissions is Wednesday at 1700, 8 working days prior to the alternate Thursday publication date. **NOTE:** All inputs **MUST** include the sponsor's code and phone number. Any questions or issues pertaining to this insert may be addressed to Ron Rogers at 989-3997 (DSN 351-3997), FAX 989-4388 (DSN 351-4388).

POINT MUGU GENERAL ANNOUNCEMENTS

FRAUD, WASTE, AND ABUSE
HOTLINE

The NAWCWPNS, Point Mugu Hotline number for reporting Fraud, Waste, and Abuse is 989-7682, or you may contact the Command Evaluation Office Staff in P005, Bldg. 36, Room 1002. Identities of writers and callers are protected.

LABOR REPRESENTATIVE
FOR BARGAINING UNIT
EMPLOYEES

The exclusive Labor Representative for the bargaining unit employees of NAWCWPNS, Point Mugu is National Association of Government Employees (NAGE).

The local R12-33 President is Louis W. Rogers; he is located in trailer 10073, or call 989-1374.

LOCAL PROFESSIONAL
ORGANIZATION TO HOST
NATIONAL SYMPOSIUM

The local Channel Islands Chapter of the International Test and Evaluation Association (ITEA) is hosting an annual national symposium entitled "T&E-Two Years After the Soviet Union" at the Hyatt Westlake Plaza in Westlake Village, Calif. from **30 November to 3 December**. Unclassified papers are invited that will address such areas as changes in the T&E and training environment brought on by the demise of the Cold War, current trends in T&E, the tools and technologies required to test the systems of the future, and innovative ways to approach the testing challenges that lie ahead in a declining defense environment. Abstracts should include title, author(s), organizational affiliation, mailing address, daytime telephone number, and a short (less than 500 words) synopsis of the paper. Authors responding to this call for papers will be notified of their selection for a session presentation by **30 July**. Abstracts should be sent to Don J. Zeleny, Technical Program Chairman, 121 North Linden Drive, Ventura, CA 93004, to arrive no later than **15 July**. Persons from industry, government, and academia involved in areas such as test policy development, test planning, modeling and simulation, facility networking, quality assurance, and technology development and application are encouraged to attend. Registration forms and further information can be obtained by writing International Test and Evaluation Association, 4400 Fair Lakes Court, Fairfax, VA 22033-3899 ((703) 631-6220), or by calling Don Zeleny (805) 989-0244.

PEER QUALITY ENHANCEMENT
TEAM

The Weapons Systems Evaluation Directorate announces the new Peer Quality Enhancement Team. Nominate your peers. For further information call Pat Pilchard, 939-0881; Marilyn Louck,

CIVILIAN EMPLOYEE
ASSISTANCE PROGRAM
(CEAP)

Getting help when you have a problem can be a problem. Do you know that there is someone you can talk to if you or someone in your family is having problems? There is no charge for CEAP services, which may be used before, during (on administrative leave), or after working hours. Family members, self-referrals, and supervisory referrals are welcome. The program is located in Bldg. 2-825 (University of La Verne). All interviews are confidential. For further information, call 989-7708 or 989-8161. Ask for Martha or Bob.

ADP/FIP HARDWARE
MAINTENANCE

The FIP Resources Branch (C6331) has a Center-wide contract that includes Point Mugu for remedial and preventive maintenance of Hewlett Packard ADP

NOTE: OPEN TO PERSONNEL AT ALL SITES

TENTATIVE SCHEDULE

NAVAL AVIATION EXECUTIVE INSTITUTE (NAEI) FY94 SEMINARS

NAEI courses are designed for GM-13/Lieutenant Commanders and above assigned to the Naval Air Systems Command. All Senior Executive Management Development Program (SEMDP) participants are required to attend certain classes and therefore have priority for available billets. Program costs are funded by NAEI. Travel and per diem expenses of nominees are funded by their individual organizations. If the course is residential, lodging and meal costs are provided by NAEI. Nominations must be submitted on an NAEI form, which may be obtained from the POC above or from Lori Ryser at China Lake (C622), X2686 (DSN 437-2686). Please note that a DD-1556 is NOT required. Nominations must be submitted to Code P622 prior to the NAWCWPNS deadline dates below.

COURSE TITLE	COURSE DATES	DEADLINE DATE TO P622
Executive Health & Stress Management Location: Washington DC area Location: West Coast Area	4-8 Oct 93 18-22 Apr 94 6-10 Jun 94	19 Jul 93 24 Jan 94 14 Mar 94
Capitol Hill Workshop Location: Washington DC area	25-28 Oct 93 14-17 Mar 94 13-16 Jun 94	Aug 93 13 Dec 93 28 Mar 94
Managing Individual & Organizational Change (NEW) Location: Washington DC area	1-4 Nov 93	16 Aug 93
Contemporary Management Issues and Practices Location: Washington DC area	31 Jan-11 Feb 94 15-26 Aug 94	2 Nov 93 1 Jun 94
The Washington Arena Location: Washington DC area	31 Jan-4 Feb 94 6-10 Jun 94 19-23 Sep 94	4 Nov 93 14 Mar 94 30 Jun 94
Politics of National Security Location: Washington DC area	14-18 Feb 94 7-12 Aug 94	29 Nov 93 1 Jun 94
Military Challenges & Current Issues (NEW) Location: Washington DC area	12-14 Apr 94	24 Jan 94
Executive Leadership and Career Development Workshop Location: Washington DC area	25-30 Sep 94	11 Jul 94

989-0429; Terrain Ross, 989-0204; or Bonny Wright, 939-9062.

hardware and attached peripherals. This contract is not mandatory; it is available to provide primary or alternate service support.

Contractor: Telos Field Engineering
Contract Number: N68936-93-D-0109
Current Period of Performance: **1 June 1993 through 31 May 1994**
Contractor receives call from Trouble Desk.

Cost: \$40 per hour plus parts/material with a 2-hour minimum
There is a 6.5% surcharge for administering the contract.

An estimate may be requested before the work is done—the 2-hour minimum will apply. Customers may request field modifications sponsored by the OEM. Any repairs with parts costing over \$1000 each must be approved in writing by the Technical Monitor, Martha Faron. Any upgrades to existing equipment must be approved by the Technical Monitor before the work can be done.

To obtain service on this contract, contact the China Lake Trouble Desk at FTS (619) 499-2084. You must provide

the following information: model number, serial number, bar code, a brief description of the problem, contact/requester, phone number, job order, location of the equipment, and your code.

Questions or problems may be directed to Martha Faron (C6331), DSN 437-3395, or Jeff Perdue (P6331) 989-4068.

CAREER LADDER CHANGE
FOR SCIENTISTS AND
ENGINEERS

On **21 January 1993**, the scientists and engineers at Point Mugu were converted from the general schedule to the Demonstration Project. Prior to the conversion, the career ladder for Point Mugu scientists and engineers was established at the GS-11 level. Under the Demonstration Project, the career ladder for scientists and engineers is the DP-111 level. The effective date of the policy change for Point Mugu was **21 January 1993**.

MACINTOSH, INTRODUCTION (8 hrs.)

24 August; Tuesday, 0800-1630; Bldg. 5-1, Room 30. By: Computer Focus
This class teaches fundamental skills required in using the mouse; working with windows and files; working with applications; printing files; and working with the operating system on the Macintosh computer.

WORDPERFECT, ADVANCED (8 hrs.)

24 August; Tuesday, 0800-1630; Bldg. 5-1, Room 23. By: Tectra Inc.
Prerequisite: WordPerfect, Introduction and Intermediate.
This class covers graphic capabilities, automatic indexing, creation/execution of macros, and special projects applications on the IBM-compatible computer.

LOTUS 1-2-3, INTERMEDIATE (8 hrs.)

25 August; Wednesday, 0800-1630; Bldg. 5-1, Room 23. By: Tectra Inc.
Prerequisite: Lotus 1-2-3, Introduction.
This course presents various Range commands, File commands, and Data commands. Learn how to password-protect worksheets, change the default settings, and use table lookups on the IBM-compatible computer.

dBASE IV, ADVANCED (8 hrs.)

26 August; Thursday, 0800-1630; Bldg. 5-1, Room 23. By: Memory Company
Prerequisite: dBase IV, Introduction and Intermediate.
This course enhances the use of dBase IV, presenting advanced view-query design, fundamentals of update queries, advance report design, and creating an application.

TQL UPDATE (2 hrs.)

2 September; Thursday, 0900-1100; Bldg.

5-1, Auditorium. By: TQL staff

This 2-hour briefing will provide an introduction to total quality leadership (TQL) with focus on terminology, background, successes, and what makes TQL work. It will also provide pertinent information on the CNO/NAVAIR/NAWCWPNS/NAWS TQL efforts.

HARVARD GRAPHICS, INTRODUCTION (16 hrs.)

7-8 September; Tuesday and Wednesday, 0800-1630; Bldg. 5-1, Room 23. By: Cata Inc.
Prerequisite: Bring SF171 and/or resume.
This course teaches creation of simple text charts to complex presentations with screen display effects, managing files, importing and exporting data for charts, printing charts, creating templates, and using special calculations to analyze data.

FILEMAKER PRO (8 hrs.)

8 September; Wednesday, 0800-1630; Bldg. 5-1, Room 30. By: Memory Company
Prerequisite: Prior PC experience.
This class introduces basics of doing database management and publishing on the Macintosh. Participants will learn to set up a database file with layouts; sort data, find information, and print reports.

POWERPOINT (8 hrs.)

14 September; Tuesday, 0800-1630; Bldg. 5-1, Room 30. By: OVF Graphics
Prerequisite: Prior MAC experience.
This course combines all the graphic capabilities of your Macintosh to produce effective presentations.

CPR BASIC PROVIDER (8 hrs.)

14 September; Tuesday, 0800-1630; Bldg. 6-2, Room 46. By: Preparedness Training

This course covers the anatomy and physiology of the heart and lungs; risk factors; prudent heart living; and signs and symptoms of heart attack. Certification in the following CPR techniques: one and two person CPR; infant CPR; and obstructed airway maneuvers in the conscious/unconscious adult and infant.

CAREER TRANSITION WORKSHOP (16 hrs.)

15-16 September; Wednesday and Thursday, 0830-1630; Marriott Courtyard, Camarillo. By: Julie Streets
Prerequisite: Bring SF171 and/or resume.
Participants will be introduced to job change strategies used by successful people. Using a career decision model, individual values, skills, interests, and accomplishments are identified. Participants will learn job search strategies/techniques, networking, resume/SF171 preparation, marketing, and interviewing.

dBASE III+, INTERMEDIATE (8 hrs.)

20 September; Monday, 0800-1630; Bldg. 5-1, Room 23. By: Memory Company
Prerequisite: dBase III+, Introduction.
This class covers creating data entry screens, retrieving data from multiple databases, using query files, and creating reports on the IBM compatible.

CPR BASIC PROVIDER (8 hrs.)

21 September; Tuesday, 0800-1630; Bldg. 6-2, Room 46. By: St. John's Hospital
This course covers the anatomy and physiology of the heart and lungs; risk factors; prudent heart living; and signs and symptoms of heart attack. Certification in the following CPR techniques: one and two person CPR; infant CPR; and obstructed airway maneuvers in the conscious/unconscious adult and infant.

dBASE IV, ADVANCED (8 hrs.)

21 September; Tuesday, 0800-1630; Bldg. 5-1, Room 23. By: Memory Company
Prerequisite: dBase IV, Intermediate.
This course enhances the use of dBase IV, presenting advanced view-query design, fundamentals of update queries, and advance report design, and creating an application.

EXCEL, ADVANCED (8 hrs.)

21 September; Tuesday, 0800-1630; Bldg. 5-1, Room 30. By: Master Trainers
Prerequisite: Excel, Introduction and Intermediate.
This class covers linking techniques, creating command macros, saving and running command macros, creating function macros, and using special formatting techniques.

LOTUS 1-2-3, ADVANCED (8 hrs.)

22 September; Wednesday, 0800-1630; Bldg. 5-1, Room 23. By: Tectra Inc.
Prerequisite: Lotus 1-2-3, Introduction and Intermediate.
This course covers the advanced features and concepts showing how to import and export data between Lotus and other applications and to create and use Lotus graphs on the IBM-compatible computer.

dBASE III+, ADVANCED (8 hrs.)

23 September; Thursday, 0800-1630; Bldg. 5-1, Room 23. By: Memory Company
Prerequisite: dBase III+, Introduction and Intermediate.
Participants will create customized menu programs, design custom data entry programs, and develop and use multiple-file relational databases on the IBM compatible computer.

OPERATIONS DIVISION NEWS

APPLICATION PROCEDURES

Applications must be received at the Human Resources Department (HRD) Reception Desk, at any site, no later than 5:00 p.m. on the closing date of the announcement. Individual 171's must be submitted for each vacancy. LATE APPLICATIONS WILL NOT BE ACCEPTED UNLESS ON APPROVED LEAVE, TDY, ETC. THE ENTIRE TIME THE ANNOUNCEMENT IS OPEN. Please make a copy of your SF-171 application for your own retention before you submit it. (Only applications with original signature and date will be accepted.) Submit a copy of your latest narrative performance assessment/appraisal of record with any application filed against a vacancy announcement. If the assessment/appraisal does not clearly state the tasks/duties performed, attach a copy of your performance plan. A supplemental narrative addressing your qualifications to each Quality-Ranking Factor (QRF) is highly recommended. This information will be used to identify "highly qualified" candidates to be referred for selection. Additional information will not be accepted after the closing date of the announcement. When multiple grade levels are advertised, applicants will only be rated for the lowest grade level they indicate on their SF-171 that they will accept and higher grade levels for which they qualify. Applicants may review the X-118 Qualification Standards at the China Lake Technical Library; at the Point Mugu Directorate/Department Resources Offices; or at any NAWCWPNS Human Resources Department Office.

AREA OF CONSIDERATION INFORMATION

Applications will be accepted from "current appointable employees" at NAWCWPNS and, unless otherwise noted in the specific announcement, the tenant commands with approved cross-service agreements. These include employees with career or career-conditional appointments; temporary employees with Veterans Readjustment Act (VRA) eligibility or reinstatement eligibility; handicapped employees serving on an excepted Schedule (A) appointment, VRA employees, and temporary employees within reach on an OPM certificate (or equivalent). If a tentative selection is made from tenant, VRA, or temporary applicants, the selection process cannot be completed until a waiver to the hiring freeze is approved by COMNAVAIR.

NOTES

- If selection is made below the full performance level, the selectee may be promoted to the next higher level(s) without further competition provided the following conditions are met: (1) OPM requirements are met, (2) management determines the incumbent is performing at the higher grade level, and (3) there is work at the higher grade level to justify the promotion. **PROMOTION IS NOT GUARANTEED.**
- First time supervisors and managers are required to serve a probationary period of 12 months. Those who do not satisfactorily complete the probationary period will be returned to positions of no lower grade and pay than their former position.
- Drug Testing Designated Position.** Any applicant tentatively selected will be required to submit to urinalysis for illegal use of drugs prior to a final selection. The selection is contingent upon a negative drug test result and, thereafter, the selectee will be subject to drug testing under certain circumstances such as reasonable suspicion and after an accident. All individuals will have the opportunity to submit medical documentation that may support the legitimate use of a specific drug to a Medical Review Officer. An applicant's test result will be provided to the selecting official and servicing Human Resources office before a final selection is made. A verified positive drug test result of a current Department of Navy employee will also be provided to the employing activity/command.
- Defense Acquisition Workforce Improvement Act (DAWIA) Designated Position(s).** PL 101-510 requires applicants to address Quality-Ranking Factor(s) relating to the DAWIA requirements.
- Merit Promotion Positions for Point Mugu Site Vacancies.** Applicants must meet all eligibility requirements (including, when applicable, time-in-grade, and qualification requirements) within 30 calendar days of the closing date of the announcement.

GENERAL INFORMATION

The Naval Air Warfare Center Weapons Division is an Equal Opportunity Employer. Selection will be made on a fully equal basis without discrimination. Selection will not be made on non-merit reasons such as race, color, religion, sex, national origin, age, politics, marital status, physical handicap, or membership or non-membership in an employee organization. All vacancies are subject to restrictions imposed by the DoD Priority Placement Program (PPP). Selectees must hold or be able to obtain the appropriate security clearance. As of 1 August 1992, Mandatory Direct Deposit/Electronic Funds Transfer (DD/EFT) became the standard payment within DoD for pay of certain civilian personnel. Newly hired civilian personnel and employees (not currently enrolled) who are selected for competitive promotion, reassignment, transfer, etc., will be required to enroll in DD/EFT within 60 days.

MERIT PROMOTION VACANCIES

ALL FOUR SITES

No. C024-006-PB-93, Computer Scientist, DP-1550-3, Weapons and Tactical Analysis Center (WEPTAC) Simulation Branch, C0243—Area of Consideration: NAWCWPNS. **Opening Date:** 07-01-93. **Closing Date:** 07-15-93. **Selecting Official:** Cliff Stone, (619) 939-2966. **HRD Contact:** Pat Baczkiewicz, (619) 939-8108. **Permanent Change of Duty Station Expenses Authorized:** Yes. **Summary of Duties:** Develop simulation software for WEPTAC. Incumbent will be required to develop models and representations of physical phenomena including, but not limited to, missile flyout, radar propagation, C41 networks, missile guidance logic, and pilot logic. In addition, responsibilities include interfacing the WEPTAC simulation with other simulations through the Distributed Interactive (DIS) protocols. **Quality-Ranking Factor:** Individual must be proficient in software engineering and have a strong math/physics background.

No. 383-001-PS3, (1) Airplane Pilot, GS-2181-12 or GM-13, Flight Test Office, Aerial Targets Division, Target Systems Department, Threat Simulation Directorate, P383—Area of Consideration: Appointable persons nationwide. **Opening Date:** 06-17-93. **Closing Date:** 07-19-93. **Selecting Official:** Capt. J.D.Dodd, (805) 989-8157. **HRD Contact:** Pam Stafford, (805) 989-3308. **Permanent Change of Duty Station Expenses Authorized:** Yes. **Summary of Duties:** The incumbent serves as an airplane pilot of fighter-type jet aircraft at the Naval Air Warfare Center Weapons Division. Acts as pilot of highly modified and standard configuration tactical jet aircraft for

SCIENTIFIC, ENGINEERING, AND TECHNICAL TRAINING

"C" PROGRAMMING: INTRODUCTION (40 hrs.)

19-23 July; Monday-Friday, 0800-1630; Bldg. 5-1, Room 23. By: John Francis

Prerequisite: A good understanding of another high-level language such as Pascal.

This course introduces language declarations, control statements, procedures, functions, pointer, and Input/Output. Topics include debugging techniques, reverse engineering, and changing a current program to perform additional software tasks.

Presentation Method: Lecture and hands-on training.

AIRBORNE MULTI-MODE RADAR SYSTEMS (40 hrs.)

19-23 July; Monday-Friday, 0800-1630; Bldg. 6-2, Room 60. By: Quintech Corp.

Prerequisite: Students should have taken an introductory radar course. They should have sufficient mathematical background to understand the material. Some calculus and transform methods will be used.

This course describes modern multimode airborne radar principles, systems, and technology. Topics include airborne radar requirements, radar principles, airborne modes, signal processing, data processing, radar electronic warfare, modes and mode interleaving, and advanced radar technology.

"C" PROGRAMMING: INTERMEDIATE (40 hrs.)

16-20 August; Monday-Friday, 0800-1630; Bldg. 5-1, Room 23. By: John Francis

Prerequisite: A basic understanding of ANSI C programming syntax. This course is not for first-time programmers.

This course explores a series of C topics related to data structures, ANSI Standard C Library, C source code debugging, I/O file management, UNIX-specific system calls/routine, and C software engineering and design. Topics will include software engineering principles of object-oriented design, derived classes and inheritance, overloading and polymorphism, exception handling, templates as related to C, and C language enhancements under C++.

Presentation Method: Lecture and hands-on training.

FLIGHT TEST ENGINEERING (40 hrs.)

16-20 August; Monday-Friday, 0800-1630; Bldg. 6-2, Room 59. By: University Consortium for Continuing Education

This course covers evolution of a flight test program, including need for flight test, program concerns, test assets required, types of instrumental, data reduction and analysis, and types of TSP information sources and their relationship to flight test requirements.

SOFTWARE CONFIGURATION MANAGEMENT/DATA MANAGEMENT (16 hrs.)

23-24 August; Monday-Tuesday, 0800-1630; Surfside Club, Cloud 9 Room. By: Technology Skills Development

This course is intended for software configuration management (SCM) practitioners charged with the responsibility for support (maintenance) of operational systems containing embedded software. Topics will include system life cycle, DOD requirements on software development and for SCM, baseline, software identification, change control, configuration status accounting, SCM role in support of design reviews and configuration audits, the software development library, software configuration management planning requirements, and an overview of automation consideration for SCM.

C++: INTRODUCTION (40 hrs.)

30 August-3 September; Monday-Friday, 0800-1630; Building 5-1, Room 23. By: John Francis

Prerequisite: A good understanding of the C programming language.

This course introduces programming in the language of C++, an object-oriented programming language. Topics will include data

abstraction, object-oriented design C classes, derived classes and inheritance, overloading and polymorphism, exception handling, and templates.

Presentation Method: Lecture and hands-on training.

AUTOMATIC CONTROL AND SERVO SYSTEM (40 hrs.)

13-17 September; Monday-Friday, 0800-1630; Surfside Club, Cloud 9 Room. By: Evolving Technology Institute

Prerequisite: Senior technicians with some experience in linear control systems and entry-level engineers.

This class provides a review of linear control theory followed by techniques for a pragmatic approach to digital sampled data systems. Topics to be discussed include mathematical modeling, laplace transforms, transfer functions, system response and stability, compensator design to satisfy steady-state and transient specifications, and digital control theory. Emphasis is placed on the use of modern control techniques as powerful tools in real-life design situations.

SOFTWARE/HARDWARE TRADEOFF IN SYSTEM DESIGN (32 hrs.)

20-23 September; Monday-Thursday, 0800-1630; Surfside Club, Cloud 9 Room. By: Attridge Electronics

This course addresses the criteria utilized in performing software/hardware trades with examples of these trades in avionics systems applications. Topics will include establishing criteria in performing trade, filter design trade, fault tolerance recovery approaches, electronic warfare design trade, avionics fault-handling approaches, and the trade study validation.

"C" PROGRAMMING: ADVANCED (40 hrs.)

27 September-1 October; Monday-Friday, 0800-1630; Building 5-1, Room 23; By: John Francis

Prerequisite: A good understanding of ANSI C programming syntax.

This course explores interfacing C language to the operating systems such as DOS and UNIX and use of C programming tools such as Lint and FOR-C by the student to translate two FORTRAN programs to C. Software engineering principles of object-oriented design will be discussed as related to C and the C language enhancements under C++.

Presentation Method: Lecture and hands-on training.

SOFTWARE TEST AND EVALUATION (40 hrs.)

27 September-1 October; Monday-Friday, 0800-1630; Surfside Club, Cloud 9 Room. By: Software Consultants International

Prerequisite: B.S. degree (or equivalent) in a technical field. Some practical experience in software engineering or system work helpful. This course addresses the evaluation and test of software systems. A full-cycle treatment is provided from exploration/evaluation of user/customer needs, translation of these needs into a working useful system within affordable boundaries, evaluation of whether these needs are being met at periodic checkpoints, and continuing system support after deployment.

ADMINISTRATIVE, CLERICAL, AND SKILLS TRAINING

MANAGING EMPLOYEE PERFORMANCE (16 hrs.)

7-8 July; Wednesday and Thursday, 0800-1630; Marriott Courtyard, Camarillo. By: PSI (Michelle Jackman)

Prerequisite: Participants must currently be in a supervisory position.

Participants will learn to recognize troubled employees and prevent potential problems, effectively coach and discipline, document behavior, improve employee morale, increase team cohesiveness, and cope with stresses and challenges difficult employees pose.

POINT MUGU COURSES

LOTUS 1-2-3, INTRODUCTION (8 hrs.)

8 July; Thursday, 0800-1630; Bldg. 5-1, Room 23. By: Tectra Corp.

Prerequisite: Prior PC experience. This course teaches basic spreadsheet construction, building formulas, entering and editing data, and printing and saving data on the IBM-compatible computer.

MS DOS, INTRODUCTION (8 hrs.)

12 July; Monday, 0800-1630; Bldg. 5-1, Room 23. By: CATA, Inc.

This class introduces directories, file organization, and DOS commands, and explains standard hardware and applications on the IBM-compatible computer.

PROPERTY MANAGEMENT (FORMERLY EQUIPMENT MANAGEMENT) (1hr)

13 July; Tuesday, 0800-0900; Bldg. 6-2, Room 44. By: Jack Keadle

Required training for all equipment managers/custodians and supervisors. Covers command policies and procedures for effective property management of all NAWCWPNS accountable property assets.

EXCEL, INTRODUCTION (8 hrs.)

13 July; Tuesday, 0800-1630; Bldg. 5-1, Room 30. By: Master Trainers

Prerequisite: Prior Macintosh experience. This class introduces basic spreadsheet construction, building formulas, entering and editing data, creating charts, printing, and saving data on the Macintosh computer.

LONG-RANGE CAREER AND RETIREMENT PLANNING (24 hrs.)

13-15 July; Tuesday-Thursday, 0800-1630; Marriott Courtyard, Camarillo. By: OPM San Francisco

Prerequisite: Career civil service status. This course gives mid-career employees an opportunity to assess financial, career, and retirement goals and make plans while planning can still make a significant difference. Topics include retirement benefits under CSRS and FERS, Social Security, legal and estate planning, personal value systems and goals, long-range financial planning, and developing a strategy for change.

DBASE III+, INTRODUCTION (16 hrs.)

14-15 July; Wednesday and Thursday, 0800-1630; Bldg. 5-1, Room 23. By: Memory Company

Prerequisite: Prior PC experience. This class introduces database concepts and fundamental skills needed to create database files, use command dBase commands, and edit and modify files using the IBM-compatible computer.

MACDRAW, INTRODUCTION (8 hrs.)

20 July; Tuesday, 0800-1630; Bldg. 5-1, Room 30. By: OVF Graphics & Assoc.

Prerequisite: Prior Macintosh experience. This class introduces tools used to create objects, manage documents, use pen patterns, and create slide presentations, etc. on the Macintosh computer.

DBASE IV, INTRODUCTION (16 hrs.)

27-28 July; Tuesday and Wednesday, 0800-1630; Bldg. 5-1, Room 23. By: Memory Company

Prerequisite: Prior PC experience. Learn fundamental skills and concepts to create files, use common commands, edit, and modify files.

MS WINDOWS, INTRODUCTION (8 hrs.)

29 July; Thursday, 0800-1630; Bldg. 5-1, Room 23. By: Computer Focus

Prerequisite: Prior PC experience. Introduces basic functions and features; use the Program Manager to manage the running of applications; use the File Manager to manage files, disks and drives; and exchange information between applications on the IBM-compatible computer.

DBASE IV, INTERMEDIATE (8 hrs.)

3 August; Tuesday, 0800-1630; Bldg. 5-1,

Room 23. By: Memory Company

Prerequisite: dBase IV, Introduction.

This course focuses on data management capabilities using set commands, creating complex reports, and creating turnkey systems using IBM-compatible computers.

CPR BASIC PROVIDER (8 hrs.)

3 August; Tuesday, 0800-1630; Bldg. 6-2, Room 46. By: Preparedness Training

This course covers the anatomy and physiology of the heart and lungs; risk factors; prudent heart living; and signs and symptoms of heart attack. Certification in the following CPR techniques: one and two person CPR; infant CPR; and obstructed airway maneuvers in the conscious/unconscious adult and infant.

WORDPERFECT, INTRODUCTION (8 hrs.)

4 August; Wednesday, 0800-1630; Bldg. 5-1, Room 23. By: Tectra Inc.

Prerequisite: Prior PC experience. Learn basic operations of word processing, such as how to create, print, and save documents, and how to edit, modify, and enhance documents.

MS DOS, INTRODUCTION (8 hrs.)

5 August; Thursday, 0800-1630; Bldg. 5-1, Room 23. By: Cata Inc.

Prerequisite: Prior PC experience. This course introduces the use of directories, file organization, and DOS commands, and explains standard hardware and applications on the IBM-compatible computer.

CPR BASIC PROVIDER (8 hrs.)

10 August; Tuesday, 0800-1630; Bldg. 6-2, Room 46. By: St. John's Hospital

This course covers the anatomy and physiology of the heart and lungs; risk factors; prudent heart living; and signs and symptoms of heart attack. Certification in the following CPR techniques: one and two person CPR; infant CPR; and obstructed airway maneuvers in the conscious/unconscious adult and infant.

WORDPERFECT, INTERMEDIATE (8 hrs.)

10 August; Tuesday, 0800-1630; Bldg. 5-1, Room 23. By: Tectra Inc.

Prerequisite: WordPerfect, Introduction. Presents intermediate skills such as merge operations, envelopes, mailing labels, macros, headers and footers, math, sorting text, columns, fonts, and graphics for the IBM-compatible computer.

DBASE III+, INTERMEDIATE (8 hrs.)

12 August; Thursday, 0800-1630; Bldg. 5-1, Room 23. By: Memory Company

Prerequisite: dBase III+, Introduction. This class covers creating data entry screens, retrieving data from multiple databases, using query files, and creating reports on the IBM-compatible computer.

COUNSELING FOR RETIREMENT (16 hrs.)

17-18 August; Tuesday and Wednesday, 0800-1630; Bldg. 5-1, Auditorium. By: Retirement Planning Service

Prerequisite: Minimum of 10 years civil service.

Begin planning for retirement. Participants will have the opportunity to hear experts in the areas of retirement benefits, financial planning, estate planning, and health. Among the topics discussed are civil service annuity plans (CSRS and FERS), health benefits and life insurance for retirees, Social Security and Medicare, legal and estate planning, and second career options.

CAREER TRANSITION WORKSHOP (16 hrs.)

18-19 August; Wednesday and Thursday, 0800-1630; Marriott Courtyard, Camarillo. By: Julie Streets

Prerequisite: Bring SF171 and/or Resume. Participants will be introduced to job change strategies used by successful people. Using a career decision model, individual values, skills, interests, and accomplishments are identified. Participants will learn job search strategies/techniques, networking, resume/SF171 preparation, marketing, and interviewing.

SYSTEMS ENGINEERING DEVELOPMENT PROGRAM AND TECHNICAL MANAGER DEVELOPMENT PROGRAM APPLICATIONS BEING ACCEPTED

Application forms are now available for the Systems Engineering Development Program (SEDP) and Technical Manager Development Program (TMDP). The programs offer a significant opportunity to engineers and scientists at the upper DP-II and lower DP-III levels to develop and demonstrate their skills for senior-level systems engineering and technical manager positions. Participation in the programs does not in itself ensure reassignment or promotion.

Applicants for the program must meet the following minimum requirements:

1. Qualification as an engineer or scientist at the upper DP-II or lower DP-III levels.
2. Knowledge of more than one engineering specialty and demonstration of broad interests that cut across traditional disciplinary boundaries.
3. Experience in developing and making presentations.
4. Experience in writing technical documents.
5. Experience in task management.

Applicants must submit a completed SEDP or TMDP application form and the most recent performance appraisal of record to P622 by no later than close of business **29 July**. A SEDP/TMDP presentation has been scheduled for **14 July**, 0830-1100, in the Auditorium, Building 5-1. Applications are available from Directorate Resources Offices and from Charley Shelton, Human Resources Department, Human Resources Development Division, P622, Building 5-1. Selections will be made by **27 September**. For further information, contact Charley Shelton at 989-3990.

TRIP REDUCTION PROGRAM

THE ADVANTAGES OF NOT DRIVING ALONE

Use alternate means of transportation (any mode of transportation other than a single-occupancy vehicle) to commute. There are many possible reasons for not driving alone, depending on your personal values and needs. They include, but are not limited to, the following:

1. To reduce air pollution and traffic congestion problems. Motor vehicles are the culprits that spew more than 60 percent of the toxic emissions into our regions.
2. To save personal transportation costs (such as gasoline, vehicle maintenance, repair and depreciation costs).
3. To help command reduce overhead costs and meet the average vehicle ridership goal established by Ventura County.
4. To reduce dependence on foreign oil.
5. For car/van poolers—good company, less stress, extra help in case of emergency, etc.
6. To receive Command benefits under the Trip Reduction Program, including preferential parking and the guaranteed ride home program for all registered NAWCWPNS employees and the Special Liberty Program for registered NAWCWPNS military personnel.

To be registered in the NAWCWPNS trip-reduction program an individual must be an active-duty military member or civilian employee of NAWCWPNS Point Mugu or Camarillo Airport worksites using an alternative means of transportation to arrive at the worksite. Alternative means include walking, running, bicycling, car/van pooling, public transportation (including base transit system), and using a clean fuel vehicle, such as propane, methanol, compressed natural gas, or electricity.

HOW TO GET A CARPOOL ROLLING

Thinking about carpooling, but are not sure where to start? The rideshare experts at Commuter Transportation Service, Inc. (CTS) offer some tips on how to get a carpool on the road.

Team up with a friend. When possible, people like to carpool with co-workers, neighbors, friends, or spouses. If you are having trouble finding someone to carpool with, give CTS a call. They will send you a free matchlist—a private, personalized list of others who want to carpool, people who live near you, work near you, and have similar schedules.

Set carpool rules. Arrange to meet with potential carpool partners over coffee or lunch to iron out any details—and to determine whether you are suited to carpool together. Keep in mind that the more you discuss in advance, the fewer problems you will encounter once you are carpooling. Some of the ground you should cover:

- Who drives, and when.
- How often you will carpool—every day? Once a week?
- Arrangements for pickups and drop-offs (for example, will you meet at a Park and Ride lot or at one person's home).
- What you should do on days you cannot carpool (especially if it is your turn to drive).
- What you should do if you have to work late, or must go home during the day because of an emergency. (Keep in mind the Guaranteed Ride Home Program available to all registered Point Mugu Trip Reduction Program participants.)
- How long the carpool will wait if someone is late.
- What sort of music will be allowed in the car, if any.
- Whether smoking is allowed.
- What stops are allowed, if any.
- Duties of the driver (such as filling up the gas tank before picking up riders).
- Any other concerns or question you have.

You may also want to set up a probation period. That way, if you are not comfortable with the arrangement, you can easily bow out and find another carpool.

Relax and enjoy the ride. When you carpool, you save up to thousands of dollars a year on gas, car maintenance, and wear and tear—and you do not have to deal with the stress of fighting traffic twice a day. No wonder it is one of the most popular ways to rideshare. Of course, you will also be doing your part to help ease traffic, reduce smog, and cut fuel use. So sit back and use the ride to work to catchup on the news, your work, or even your sleep.

For more information on carpooling and for your free matchlist, contact the CTS office in Ventura at (805) 656-2477.



Human Resources Department Information

The Human Resources Department (HRD) Information section is intended to provide timely HRD information to NAWCWPNS personnel. Any questions or issues pertaining to this section may be addressed to Ron Rogers, P622, phone (805) 989-3997 (DSN 351-3997), FAX 989-4388 (DSN 351-4388).

EMPLOYEE/LABOR RELATIONS DIVISION NEWS

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 or medical emergencies and anticipate being in a leave without pay status for at least 80 hours. Employees who wish to help a leave recipient may donate annual leave to the employee by submitting a completed OP Form 630-A (Request to Donate Annual Leave to Leave Recipient). This form is available at Administration Offices at Point Mugu and Shop Store (Tel-Mart) at China Lake. Forms for Point Mugu may be mailed to P621 and forms for China Lake may be mailed to C621. For additional information please call Maria Martinez at (805) 989-3222 or Cindy Smith at (619) 939-2018.

CHINA LAKE

Lupe Vizcarra, C2197

Lupe had a total knee replacement and will be off work for rehabilitation.

Melvin (Randy) Mather, C2955

Melvin had multiple surgeries following complications for a decubitus ulcer and infected bone. He was hospitalized and is indebted for leave.

Josefina Gerende, P25511

Josefina is undergoing surgery and is in need of leave.

Sally Byrd, P623

Sally underwent knee surgery and is in need of leave donations.

Darlene Herbstreit, C2818

Darlene had a heart attack and is off work.

David Leverett, C3223

Dave underwent major back surgery and is indebted for leave.

Arthur Owens, C0242

Arthur had surgery for a progressive spinal

disease and is indebted for leave.

Sandra Rowan, C834

Sandra had surgery and is in need of leave.

Nadine Foley, C6261

Nadine had surgery and is now recovering at home.

Marjorie Hunter, Secretary, C0231

Marjorie is undergoing surgery on both hands for carpal tunnel syndrome.

Marjorie McGinnis, C3243

Marjorie was hospitalized for a severe bipolar disorder and is not yet able to return to work.

Daniel Kelly, P38521

Daniel is undergoing medical care and is in need of leave.

POINT MUGU

Melody Dates, P004B

Melody underwent major surgery and is in need of leave.

Laura L. Geer, P235

Laura has complications of early pregnancy and is in need of leave.

HUMAN RESOURCES DEVELOPMENT DIVISION NEWS

ON-BOARD TRAINING COURSE SCHEDULE

Nomination forms and course confirmation procedures to attend on-board training courses (unless otherwise noted) are outlined in the NAWCWPNS FY93 Spring and Summer Schedule Training Catalog. To obtain a copy of the nomination form (On-Board Training Request NAWCWPNS 12410/2) contact your Administration Office. For further assistance, at Point Mugu, contact Paula Phillips, P622, at (805) 989-3981, and at China Lake, contact Dorothy Wiederhold, C622 at (619) 939-2359. Nomination forms should be submitted as early as possible to preclude courses being cancelled due to insufficient enrollment. NAWCWPNS employees may attend training at any site with supervisory approval and on a space available basis. Preference will be given to employees at the site where the training is conducted. On-board training courses are presented at no cost to NAWCWPNS employees.

CHINA LAKE COURSES

ADMINISTRATIVE, CLERICAL, AND SKILLS TRAINING

CAREER COUNSELING

Non-Payday Fridays; Cerro Coso Counselors; Trailer behind training Center

One-on-one career counseling is available at the Career Transition and Outplacement Center located in the white trailer behind the Training Center. The counselor will be able to help with career decision-making, resume writing, and education counseling. Various programs, inventories, and assessments are available.

For more information about the services available or to schedule an appointment call 939-0873.

GRAPHICS ON THE MACINTOSH (16 hrs.)

12-13 July; Monday-Tuesday, 0800-1600; Training Center. By: Olivia Francis, OVF Graphics

Prerequisite: Basic knowledge of the Macintosh operating system.

This course is a brief overview of several graphics programs on the Macintosh. Using a combination of demonstrations and some hands-on Macintosh work, the student will learn to identify the different features of the programs. In this course you will learn the difference between Paint, Pict, Tiff, and Postscript; the use of various graphic documents in an application; getting graphics into the Mac; using a paint and a draw program; using a postscript drawing editor; and what to do with your graphics documents; and graphic format resolutions.

To enroll call 939-0870.

FRESHSTART STOP SMOKING PROGRAM (4 hrs.)

13, 20, 27 July & 3 August; Tuesdays,

1500-1600; Training Center. By: Fred Shaughnessy

Kick the smoking habit with the FRESH-START Program. The American Cancer Society's program (4 sessions) will help you stop smoking by providing you with information and strategies to direct your own efforts to stop smoking. The workshop will be led by a facilitator trained by the American Cancer Society.

To enroll call 939-2468.

GENADMIN MESSAGE PREPARATION (4 hrs.)

20 July; Tuesday, 0730-1130. Training Center. By: H2 Enterprises

This course is based on information obtained from the Naval Telecommunications Users Manual, NTP-3. The purpose is to understand the background and contents of the GENADMIN Naval Message Format. Participants will learn why the U.S. Armed Forces shifted to GENADMIN format, when and how to use mandatory and optional SETs and FIELDs. Message requirements as outlined in the Naval Telecommunications Users Manual, NTP-3 will be reviewed. Many hints and tricks will be covered that can be used on a daily basis.

To reserve a space call 939-3159.

FOCUSING STRESS TO MAINTAIN HIGH PERFORMANCE (16 hrs.)

20-21 July; Tuesday-Wednesday, 0800-1700; Training Center. By: Bob Huey

This workshop is for all employees and supervisors. It gives practical tools to deal with current stress issues. The objective of the class is to be empowered by stress instead of overpowered by it by learning to identify your key stressors induced by events and people. Tools will be practiced in order to better tolerate specific

problems, to discover solutions, and to build long-term stamina.

To enroll call 939-2468.

DRUG-FREE WORKPLACE/EMPLOYEE ASSISTANCE PROGRAM (2 hrs.)

21 July; Wednesday, 1300-1500; Training Center. By: Bob Fitzpatrick and Bernie Maki, C621

This class is designed to provide employees with general information about the Drug Free Workplace Program and the Employee Assistance Program. Subjects include drug testing policy and procedures, typical drug abuse behaviors, the role of the Employee Assistance Program at China Lake, and a general question and answer session on substance abuse.

To enroll call Pat at 939-3159.

INTRODUCTION TO UNIX OPERATING SYSTEM (16 hrs.)

26-29 July; Monday-Thursday, 1230-1630; Training Center. By: Noble N. Nkwocha, C6343

Prerequisite: General computer knowledge (IBM-PC, Macintosh, or VAX).

This introductory course in Unix will cover the basic ideas and features that novice and intermediate users need in order to use the Unix system effectively. While the course emphasis will be on standard Unix, the hands-on experience will come from a Sun Work Station. Upon completion of this course, the student will have working knowledge of the Unix Operating System, the Unix Operating System Kernel and Shells, the Unix file System, and some of the most useful Unix Utility Programs. (Please note that a sequel to this class, Advanced Concepts in Unix, will be offered if there is a sufficient interest.)

Deadline: 12 July

SECURITY CLASSES

SECURITY FOR SCIENTISTS, ENGINEERS, AND TECHNICIANS (8 hrs.)

7 July; Wednesday, 0730-1630; Training Center. By: Linda Hall, C84301

Intended Audience: Scientists, engineers, and technicians whose duties involve access to classified or unclassified technical information.

This course will provide information and exercises in classification, distribution statements, classified meetings, author's responsibilities, personnel security, and OPSEC. A brief discussion of computer security and COMSEC will be held.

To enroll call 939-2216.

CUSTODY CONTROL POINT (CCP) PROCEDURES (8 hrs.)

25 July; Wednesday, 0730-1630; Training Center. By: Linda Hall, C84301

Prerequisite: Security for Clerical and Administrative Workforce.

This class is for all custody control points and alternates. It will include a discussion of CCP responsibilities, duties, and procedures. This "hands-on" class will cover secret document control, accountability procedures, custodial responsibilities, transmittals, marking, wrapping, addressing packages, reproduction, and distribution.

To enroll call 939-2216.

EQUIPMENT CUSTODIAN (3 hrs.)

28 July; Wednesday, 1300-1600; Training Center. By: Debra Schlick Code C05E1

This course is designed to familiarize Equipment Custodians with accountability for plant and minor property. It will also provide assistance and guidance in the use of Equipment Management forms. It will help Equipment Custodians to understand their duties and responsibilities regarding equipment and accountable assets.

Management responsibilities from equipment acquisitions through useful life and ending with proper disposition will be covered in this course. Also, a way of accessing CERMS through ACC2 network will be explained and a guide handed out.

To enroll call Pat at 939-3159.

MTF MESSAGE EDITOR for IBM (8 hrs.)

3 August; Tuesday, 0800-1600; Training Center. By: H2 Enterprises

Prerequisite: Knowledge of GENADMIN Naval Message procedures.

The objectives of this course are to create, edit, copy, and spell-check Naval messages, using the MTF Editor message preparation program, and to physically and electronically prepare diskettes in accordance with NTP-3 Annex D by placing all necessary files and messages on a floppy disk for delivery and transmission by the Naval Telecommunications Center (NTCC), China Lake. All changes in the recently released version 3.4 will be covered. Participants will also learn how to use the program's format error checking.

To enroll call Pat at 939-3159.

HOW TO READ NIF 009 (4 hrs.)

17 August; Tuesday, 1300-1600; Training Center. By: Larry Walles, DFAS-CL Code XEAG

This course is designed to help you read and understand one of the most important reports produced by the Center's Defense Business Operating Fund (DBOF) financial system. This course covers the basic DBOF concepts of cost center, accounting shop, job order structure, labor acceleration, stabilized rates, and applied overhead. The job order transaction cycle (commitment, obligation, accrual, and cost) is covered for labor; inventory issues; DES orders and contracts for material, services, and equipment; travel; cost distributions and transfers; and bad charges.

To enroll call Pat at 939-3159.

MTF MESSAGE EDITOR for MAC (8 hrs.)

24 August; Tuesday, 0800-1600; Training Center. By: H2 Enterprises

Prerequisite: Knowledge of GENADMIN Naval Message procedures.

The objectives of this course are to create, edit, copy, and spell check Naval messages, using the MTF Editor message preparation program, and to physically and electronically prepare diskettes in accordance with NTP-3 Annex D by placing all necessary files and messages on a floppy disk for delivery and transmission by Naval Telecommunications Center (NTCC), China Lake. All changes in the recently released version 3.4 will be covered. Participants will also learn how to use the program's format error checking.

To enroll call Pat at 939-3159.

CLASS BEING CONSIDERED

The following class is being considered at China Lake in mid-August. If you are interested in participating, contact ET2 Troy McClain, C 8713, 939-5360.

Note: A J.O. for approximately \$300 per person will be required to cover the pro-rated cost.

ELECTRONIC COMMUNICATION PRINCIPLES

By: Peter Hicks, Consultant

This course provides the student with knowledge of Radio Frequency communication characteristics; principles of operation; basic types of modulation, CW, AM, SSB, FM, FSK, PCM, and PAM transmission; and reception principles and theory of operation. The course also discusses antennas and the communication circuits theory of operations. The student will construct and analyze selected electronic communications circuits.

WELLNESS PRESENTATIONS

The following Wellness presentations will be given by guest lecturer Jenifer Mason, Dr. P.H., M.P.H., on Wednesday 4 August in Mich Lab, Room 1000D.

0830-0930 - DOES ANYTHING WORK LIKE MAGIC? (1 hr.)

Who hasn't been guilty of trying the latest new drug, discipline, or diet that promises to be the real "cure-all?" In 1990 \$35 billion were spent on dieting gimmicks and commercial weight loss programs alone. This motivational topic emphasizes how to spot fraud and the importance of avoiding the "quick fix."

1000-1130 - REACHING YOUR GOALS (1.5 hrs.)

While most people set professional objectives in order to achieve the desired business goals, many never think to set personal goals, specifically health-oriented goals. This practical seminar gives you a step-by-step process for establishing your wellness goals and objectives, but even more importantly, for getting from point A to point B without setting yourself up for failure.

1300-1430 - FISCAL FITNESS (1.5 hrs.)

The effect of poor employee health on business is staggering. Studies conducted several years ago showed the national average cost per employee for health care was \$2455, or 11.5 percent of the payroll. Corporate health for the 90s needs to be designed specifically for the work force and company management. This presentation gives detailed information on why "health" is good business.

1500-1600 - BY BEHOLDING WE BECOME CHANGED (1 hr.)

There are really only two reasons why people look for change: things are so bad they want out or something else is so attractive. This lecture reviews some of the most popular health behavior change techniques that lead to successful short-term as opposed to long-term changes. What is the piece of the puzzle that almost invariably is missing? How do you bridge that gap between your "creed and deed" or in what you say versus what you are doing? Beholding is a unique yet practical concept and it gets to the very heart of the matter.

These are all walk-in sessions. For more information contact the Wellness Program Office, 939-2468.

CSUC COMPUTER SCIENCE PROGRAM

The following courses are being offered for the fall semester for the Cal-State University, Chico (CSUC), Computer Science Program (bachelor's and master's degrees). To enroll in these courses, call Denise at 939-2648. Registration will be held at the first class meeting. **Deadline for enrolling is 10 calendar days before the starting date of the class.**

Enrollments are on a first-come, first-served basis, unless otherwise indicated.

CSCI151: Algorithms and Data Structures (3 units)

30 August-15 December; Mondays and Wednesdays, 1130-1245; Training Center (videotape). By: Professor Melody Duncan, CSUC, (916) 898-6480

Lab: Tuesdays, 1700-1800; Training Center. By: Howard McCauley, 939-0546

Prerequisite: Pascal or C, or consent of instructor.

Scope: This course provides instruction on the representation, application, and processing of data structures as they relate to information representation, parameter passing, recursion, assemblers, compilers, operation systems, and machine organization. Topics include lists, trees, and graphs. An analysis of algorithms is also discussed.

Text: *Data Structures and Program Design*, Robert Kruse. Second edition.

Note: This is a core course in the bachelor's degree program in computer science through CSUC. This is a required foundation course for the master's degree program in computer science through CSUC.

CSCI273M: Data Base Management (3 units)

24 August-16 December; Tuesdays and Thursdays, 0800-0915; Training Center (via satellite). By: Professor Len Fisk, CSUC, (916) 898-5709

Prerequisite: CSCI151: Algorithms and Data Structures or equivalent or consent of instructor.

Scope: An introduction to database management systems. Storage structures, data-definition languages, and data-manipulation languages for relational, hierarchical, and network approaches to database management.

Text: *Fundamentals of Database Systems Management*, Elmasri and Mavathe, Addison-Wesley, ISBN# 0-8053-0145-3.

CSCI280: Digital Logic Design Theory (3 units)

24 August-16 December; Tuesdays and Thursdays, 0930-1045; Training Center (via satellite). By: CSUC Staff

Prerequisite: CSCI171: Computer Architecture or equivalent or consent of instructor.

Scope: An introduction to the contemporary top-down approach of designing hardware for digital systems. Stress is placed on understanding the problem and developing a systematic solution for the systems' data path architecture and sequential control circuits. The complete hardware design of a simple digital computer is covered within the textbook.

Text: *The Art of Digital Design*, Franklin Prosser and David Winkel, Prentice-Hall, second edition, 1987, ISBN# 0133046780-4.

CSCI350B: Language Theory (3 units)

24 August-16 December; Tuesdays and Thursdays, 1400-1515; Training Center (via satellite). By: Professor Anne Keuneke, CSUC, (916) 898-5998

Prerequisite: Familiarity with the principles of language definition and the formal specification of syntax and semantics.

Scope: Seminar in definition and philosophy of grammars, contextual relationships, semantic and syntactic analysis, parsing efficiency analysis, and program verification.

Text: *Introduction to the Theory of Programming Languages*, Bertrand Meyer, Prentice-Hall, ISBN# 0-13-498510-9.

CSCI372: Operating System Theory (3 units)

24 August-16 December; Tuesdays and Thursdays, 1230-1345; Training Center (via satellite). By: Professor Jim Pinkert, CSUC, (916) 898-5000

Prerequisite: CSCI272: Multi-User Operating Systems or equivalent or consent of instructor.

Scope: Review of operation system development. Comparison of various types of multipurpose systems, including master/slave and parallel processor systems. Analysis of multiprocessor system performance and capabilities. Material for this course may change each semester to reflect current research in the field.

Text: *Modern Operating Systems*, Andrew S. Tanenbaum, Prentice-Hall, Inc., ISBN# 013335881870.

CSCI397C-13: Object-Oriented Design and Programming in C++ (3 units)

24 August-16 December; Tuesdays and Thursdays, 1530-1645; Training Center (via satellite). By: Professor Paul Luker, CSUC, (916) 898-4414

Prerequisite: CSCI397C-10: Object-Oriented Analysis and Design or equivalent or consent of instructor.

Scope: This course, which is a sequel to the analysis and design class, will concentrate on the design and implementation of object-oriented programs using C++. The focus will be on how to implement object-oriented models in C++, with a strong emphasis on good programming practice. All features of C++ will be examined in detail. Object Modeling Technique (OMT) will be used to express models.

Text: *The C++ Language*, Bjarne Stroustrup, Addison-Wesley, 1991, ISBN# 020153992-6.

CSCI397C-15: Object-Oriented User Interface Design (3 units)

24 August-16 December; Tuesdays and Thursdays, 1100-1215; Training Center (via satellite). By: Professor James Murphy, CSUC, (916) 898-4037

Prerequisite: CSCI151: Algorithms and Data Structures or equivalent or consent of instructor. Helpful but not required, CSCI210: Software Engineering and CSCI231: Computer Graphics.

Scope: Object-oriented design and implementation of graphical user interfaces using the primitive X windows library as well as the Xt and Motif toolkits using the C++ programming language. Topics include event handling, use of color, graphics contexts, text and fonts, dialogue, design, and User Interface Management Systems.

Texts: (1) *X Toolkit Intrinsics Programming Manual*, (OSF/Motif edition), Adrian Nye and Tim O'Reilly, O'Reilly and Associates, Inc., December 1990, ISBN# 1-5659201-3-9.

(2) *Object-Oriented Programming with C++ and OSF/Motif*, Douglas A. Young, Prentice-Hall, Inc., 1992, ISBN# 01336302521.

NOTE: CSUC has provided a video tape on which the Fall 1993 professors each discuss their class for a few minutes. The video tape allows you to evaluate the course content and teaching style. The video tape may be viewed in the Learning Center.