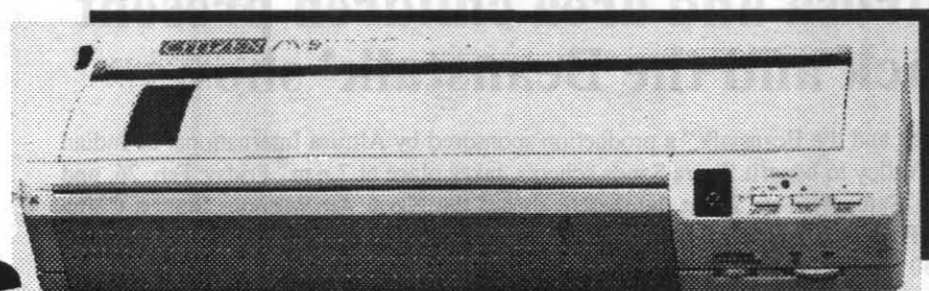


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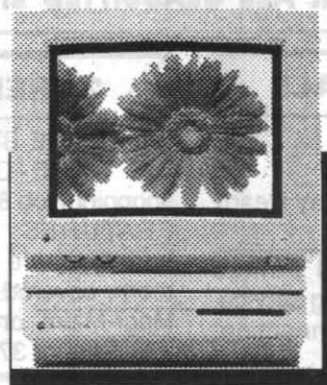
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Next Commander will be headquartered at CL

The Naval Air Warfare Center Weapons Division, commanded by RAdm. William E. Newman, USN, consists of large sites at Point Mugu and China Lake, California, as well as small detachments at Albuquerque and White Sands Missile Range, New Mexico. The Weapons Division was established in January 1992, integrating four commands into a single large command providing research, development, test, evaluation and life cycle support for U.S. Navy, Joint Service

and foreign naval weapon systems. During the initial phase of consolidation, the new command has been headquartered at Point Mugu. The Vice Commander resides at China Lake as a matter of command policy. The next Weapons Division commander, when assigned, will command the Division from headquarters at China Lake. The next Vice Commander will correspondingly reside at Point Mugu to provide command oversight and coordination for the Commander at the site. The Navy

does not anticipate significant changes to Point Mugu's role as a premier DoD Test and Evaluation facility. The world's largest fully instrumented Sea Test Range and RDT&E capabilities will continue to provide Fleet and acquisition community customers with comprehensive products and services.

(Editor's Note: This notice appears exactly as it was released to external news outlets by the commander's office.)

THE ROCKETEER

THURSDAY, FEBRUARY 25, 1993

NAVAL AIR WEAPONS STATION, CHINA LAKE

Vol. 49, No. 4

Haaland: Change will happen faster than ever

By Steve Boster
Managing Editor

'We are living in a world of change,' said Sterling Haaland, in his first interview since becoming the new Naval Air Warfare Center Weapons Division (NAWCWPNS) Deputy Commander for Research and Development.

"Change is just part of our life and change is going to happen faster than ever. I've accepted it as reality," he added. The NAWCWPNS leadership is working through this never ending

process of change, looking toward a positive future.

Stressing that his role as Deputy Commander for R&D covers all NAWCWPNS sites, Haaland said, "I recognize that we're in a larger organization and when I talk about NAWCWPNS I mean all the sites and all work going on at those sites. I may be located at China Lake, but I represent the whole R&D community."

To that end, he said he plans to visit the various sites whenever possible. Maintaining his connections to the working R&D world at

Please see **HAALAND** Page 8

Contractor vacuums desert to remove depleted uranium

By Janice Kasperson
Technical Information Department

Vacuums up a mess is nothing new to anyone who's ever tried to keep a house or apartment in shape. But instead of an area the size of your living room, imagine vacuuming six acres of dirt. A cleanup program on the north range of the Naval Air Weapons Station China Lake is doing just that to eliminate contamination from testing that took place over the last decade.

Beginning in the late 1970s, 120-millimeter tank ammunition was fired in the Tower 11 area of China Lake's north range in support of the M-1 tank program. Honeywell Inc. (now Alliant Techsystems), under contract to the Army, conducted the tests. The projectiles were made of depleted uranium (DU), a by-product from the nuclear-power industry.

Naturally occurring uranium has two primary isotopes, the readily fissionable uranium-235, which makes up about 0.7 percent of the uranium,

and uranium-238, which makes up more than 99 percent. Because a higher concentration of uranium-235 is required to power nuclear reactors, natural uranium ore is refined and concentrated to produce "enriched uranium."

The material left over from the ore after the uranium-235 is removed, depleted uranium, has a very low level of radioactivity and is inexpensive, hard and twice as dense as lead—ideal for tank-penetration ammunition, counterweights in aircraft, gyroscope assemblies, helicopter blade assemblies and other applications.

Although DU poses no radiation hazard to humans during limited exposure, it is a heavy metal and, like lead or mercury, toxic if ingested. Because it remains technically a radioactive material, however, DU is regulated by the Nuclear Regulatory Commission (NRC). As such, China Lake had to obtain NRC permits before testing the DU projectiles.

Please see **VACUUM**, Page 6

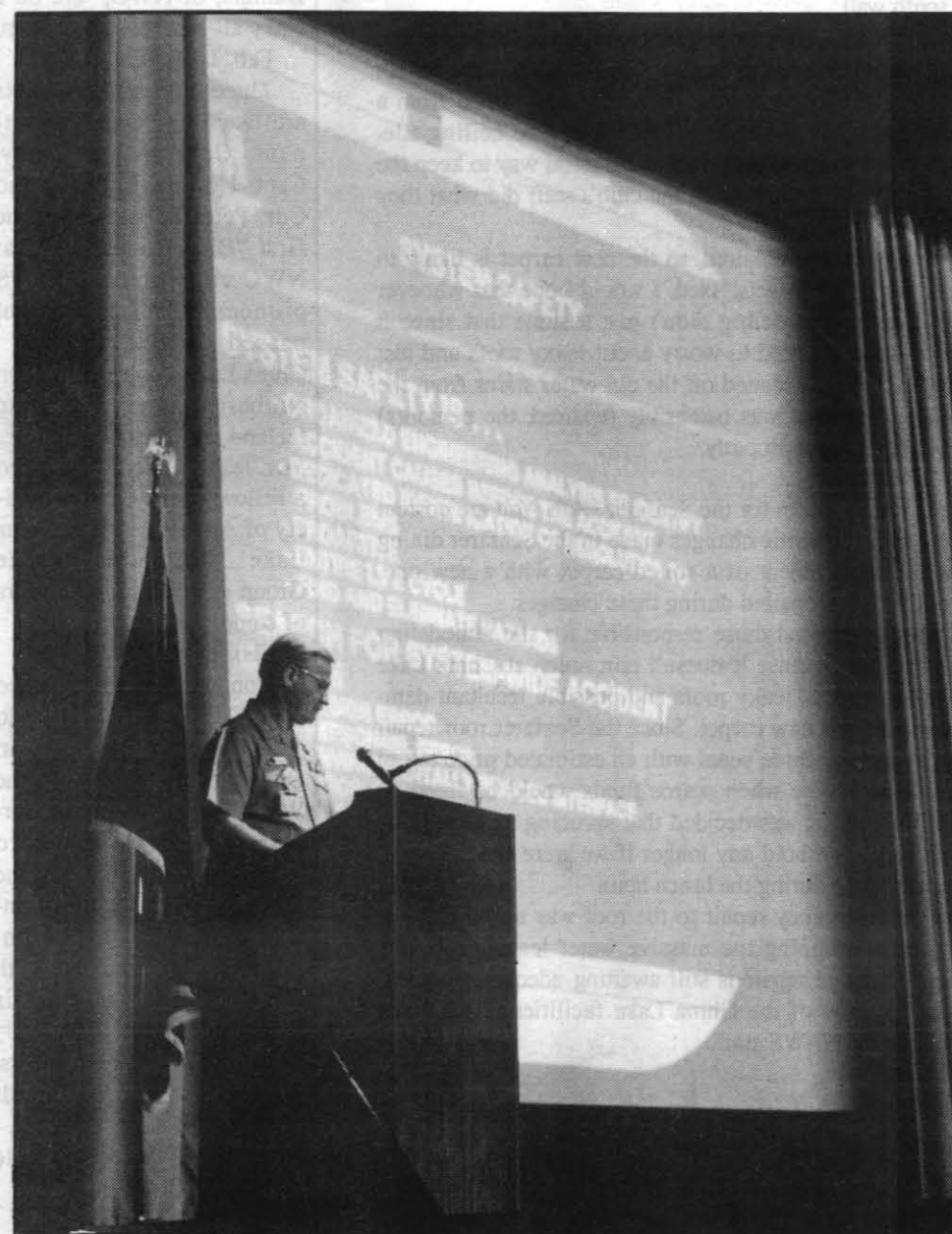


Photo by Terry Pascarella

SAFETY FIRST—RAdm. Donald V. Boecker, Vice Commander, Naval Air Systems Command, addressing a large crowd at the Station Theatre, Feb. 9, stressed a proactive command emphasis on safety. See story on Page 11.

Capt. Bob Kapernick rehires Monday

Former associate weapons director's ceremony coincides with inspection

5

Combined Federal Campaign nets \$373K

Keyworkers, loaned executives, employees credited for success

14

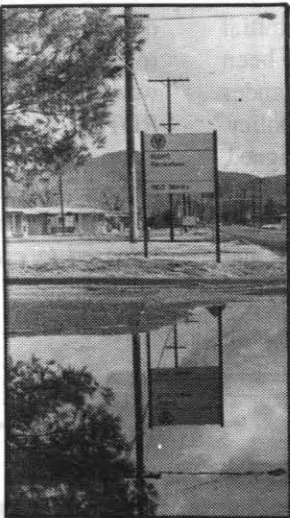
China Lake Women's Golf Tournament

Lady professionals coming for open 54-hole event March 15-17

20

Weather

	Max.	Min.	Gusts	Humidity
Feb. 10-16				
Wed	68	35	13	52%
Thurs	54	34	18	55%
Fri	67	34	9	-
Sat	66	34	-	-
Sun	68	34	10	-
Mon	70	33	30	-
Tues	62	47	28	36%
Feb. 17-23				
Wed	66	40	18	47%
Thurs	54	44	12	76%
Fri	63	45	27	65%
Sat	59	45	27	-
Sun	63	45	27	-
Mon	66	31	18	49%
Tues	64	48	19	57%



China Lake Calendar

Monday, March 1

• Retirement ceremony for Capt. Kapernick, 2 p.m. Admin Building Front Lawn

Tuesday, March 2

• NAWCWPNS Fellowship Program briefing 9 a.m., Room 1000D, Michelson Lab

Thursday, March 4

• MIMIC Presentation by Motorola, 1 p.m. Michelson Lab Conference Room B/C

Saturday, March 13

• Seabee Ball, NAWS Seafarer Club

Monday, March 15

• Deadline for NAWCWPNS Fellows nominations

Upcoming events

• Bluejacket Dinner, March 26

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:

The Enlisted Men's Club, now known as the Seafarer, had its dining room closed for several months this past summer, ostensibly for repair and remodeling. A new carpet was put into the dining room and several cosmetic changes were made, although not three months' worth of labor (usually there was no one working on it). My understanding was the roof was also repaired, since there were several severe leaks in it, including one that causes a waterfall effect on the dining room's south wall.

It rained last night and today for the first time since the reopening on Sept. 14, and the waterfall is back. Near my table, a waste basket had been placed on the floor to catch the water that dripped from a place in the ceiling where the tile was missing. The ceiling tile, soaked, was also in the waste basket. There's no good way to keep the waterfall water off the carpet, although the club's staff did what they could.

I doubt the roof was ever repaired, so the new carpet is likely to get soiled before the problem gets fixed. I would hope that whoever was responsible for the remodeling didn't just assume that since it seldom rains here we don't need to worry about leaky roofs and just purchased a new carpet and cleaned off the old water stains from the walls and ceiling. If the roof was ostensibly repaired, the person(s) who did it need to do it again properly.

Answer:

Thank you for your concern for the Seafarer Club. You are correct in that there were some cosmetic changes made in the Seafarer dining room including the replacement of a soiled carpet with a new one. The Seafarer roof was not repaired during these changes.

I can assure you that I and those responsible for the remodeling did not assume that just because it doesn't rain much at China Lake that we needn't worry about leaky roofs and possible resultant damage to the ceiling tiles and new carpet. Since the Seafarer roof repair has been in the budget for three years with an estimated price tag of \$170,000, with no assurance when scarce funds would be freed up for the repair of the roof, it was decided that sprucing up the dining room should not be put on hold any longer if we were serious about attracting more patronage during the lunch hour.

Just recently, an emergency repair to the roof was accomplished only to the degree of stopping the massive water leakage. A long term, more comprehensive repair is still awaiting adequate funding. Rest assured, roof repairs of the China Lake facilities is a priority concern of mine and the NAWS staff.

Employee budget assistance offered

Each year thousands of people are confronted with overwhelming money problems. It all starts when it's time to pay the bills. You take out your checkbook, look at the balance and add up what is owed. You realize you don't have the money to pay the bills, so you begin with priorities. Some get paid and others are put off to a later date. Don't let this happen to you.

Financial debt counseling is available through the Civilian Employee Assistance Program office at the China Lake site of the Naval Air Warfare Center Weapons Division. Arrangements have been made for a representative from the Consumer Credit Counselors of Kern County, a non-profit community service agency from Bakersfield, to come to China Lake to offer counseling. Your financial situation will be reviewed by a trained counselor and a plan developed to get you on the road to financial security. This service is being offered free of charge.

Pages From The Past

Feb. 18 & Feb. 25, 1983

VX-5s first female pilot, Lt. Beth Nubert, has been accepted into a new Navy Postgraduate School program and will leave China Lake this summer. . . Dr. Jacquelyn Mitchell of U.C. Davis, was the featured Black Progress Week speaker last weekend. . . The Aerial Targets Division has added small, remote controlled helicopters to its inventory. . . LCdr. John Auld was named OIC of the Branch Medical Clinic. . . LCdr. Ann Kunkel reported to China Lake as the clinic's senior nurse. . . Skip McIntosh, Stan Patterson and Kent Daniels, of NWC, are on a Navy all-star basketball team.

Feb. 16 & Feb. 23, 1973

Three former NOTS pilots are listed as POWs in Vietnam; Capt. Allen Brady, Capt. Howard Rutledge and Cdr. Peter Schoeffel. . . The first "Bike Route" signs at NWC are posted. . . NOTS pioneer, Dr. I.S. Bowen, passed away at age 74. . . China Lake geophysicist, Dr. Norbert O'Hara, is visiting Iceland for volcanic studies. . . Dr. Jean Bennett was named a Fellow of the Optical Society of America. . . The China Lake Mountain Rescue Group is celebrating 15 years of community service.

Feb. 15 & Feb. 22, 1963

Command of VX-5 passed from Cdr. W.A. Schroeder to Cdr. Harry O'Connor, Cdr. O'Connor participated in the World War II capture of German U-Boat. . . A record breaking cold wave, sent the mercury down to 0 on Sunday morning. . . RAdm. Loomis, commandant, 11th Naval District is making his first official visit to NOTS. . . Lt. Tony Tambini and Mrs. Burke West won the Mardi Gras Ball costume contest. . . Don Cooper aced 17th hole at the Golf Course.

Feb. 18 & Feb. 25, 1953

The annual March of Dimes fund drive netted \$13,130 from China Lakers this year. . . Lt. Oral Prescott and Chief J.L. Richards of EOD traveled to Bakersfield to dismantle a rocket found in a trashcan. . . LCdr. E. F. Marker ended a 32 year Navy career and began a new career as secretary-manager of the Ridgecrest Chamber of Commerce.

Altrusa and area children present 'Jack and the Beanstalk' shows

"Jack and the Beanstalk," a production sponsored by Altrusa International of Indian Wells Valley to benefit Sierra Sands schools, takes place at 7 p.m., Friday, Feb. 26, and 3 p.m., Saturday, Feb. 27, at the theatre aboard the Naval Air Weapons Station China Lake. Presented by the Missoula Children's Theatre, the play includes a cast of more than 50 local youngsters from kindergarten through high school. Tickets are \$3 per person and may be purchased at the Village Bookshelf, Daily Independent, Ridgecrest Cleaners and The News Review.

ABWA schedules conference in Bakersfield

During March 26-28, the American Business Women's Association will hold its Pacific Region Spring Conference at the Red Lion Inn in Bakersfield. The conference is held to elect regional officers, provide leadership and educational seminars, network with other businesswomen from throughout the western United States.

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35 AUTOMOTIVE

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45 PETS & SUPPLIES

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Blood Bank visit set for March 9 at Ridgecrest Elks Lodge Hall

From 1 to 6 p.m., Tuesday, March 9, the Houchin Mobile Blood Bank Unit will be at the Elks Lodge, 201 E. Church Street, Ridgecrest. Those who need blood replacement unit credit should call the Indian Wells Valley chairperson, Dorothy Jackson, at 375-2059. In preparing to donate blood, donors should eat a meal within five hours prior to donating.

Dairy products and fried foods should be avoided for at least three hours before donating. Donors must be between the ages of 17 and 66. Individuals over 66 and in good health may donate with written permission from their doctor. Persons must never donate if they have had yellow jaundice, hepatitis, heart disease, heart surgery, tuberculosis or cancer.

Donors must be over colds, flu or infections for three days and should not be in any of the AIDS high risk groups, nor have any related symptoms listed on the AIDS information sheet.

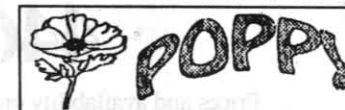


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COMMUNITY EVENTS

This month's Art Rock Cafe at the Maturango Museum will feature local artist Bill McEwan leading a discussion on Degas. This month's Art Rock Cafe takes place Friday, Feb. 26 at 7:30 p.m. A \$5 donation is requested to cover costs.

Lisa Thiel (SERI), an internationally

known recording artist, will lecture and perform at Cerro Coso Community College Friday, Feb. 26 at 1:30 p.m. SERI's performance, which will be held in the College Lecture Center, is the third in a series of lectures on "Topics in Contemporary Women's Issues" sponsored by the Associated Students of Cerro Coso. Admission is free.

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Saturday, Feb. 27, the Southern California Association for the Education of Young Children and Community Connection for Child Care will present the Seventh Annual Children's Lobby Benefit Fashion Show and Recognition Luncheon. The event, starting at 11:30 a.m., will be held at Patrick's Restaurant, 3401 Chester Ave., Bakersfield. For tickets, call (805) 323-0395.

In anticipation of the Maturango Museum's Swine Ball May 1, the museum is holding a Swine and Cheese Kick-Off Party from 3 to 5 p.m. Sunday, March 14. Wine, cheese and pigs-in-blankets will be served. The "price of admission" to this party will be a dona-

tion of piggy paraphernalia, such as banks, accessories or what-have-you, or any "non-pig" items that can be auctioned off at the Swine Ball. Reservations, 375-6900 by March 4.

Beginning March 6, the Maturango Museum's Sylvia Winslow Gallery will present "Bodie: An Insider's View," photographs by Bay Area artist Jill A. Lachman. A preview reception for members will be held Friday, March 5, from 7 to 9 p.m. Refreshments will be served and the artist will speak of her Bodie experience. The show ends March 31. Admission to the museum is \$1 for adults and 50 cents for children. Sale of artwork will benefit museum programs.

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MILITARY NEWS

Bluejacket contenders profiled:

AS2 Sophia D. Duncan Naval Air Weapons Station

Since the Navy has helped her to focus her assets, Bluejacket of the Year candidate AS2 Sophia D. Duncan has set goals for herself she had never considered. The Naval Air Weapons Station China Lake's Sailor of the Third Quarter for 1992 currently serves as the Support Equipment (SE) Hydraulic Work Center supervisor in the Aircraft Intermediate Maintenance Department. She was nominated for Bluejacket honors by AIMD Officer Lt. Michelle Williams.

Born May 28, 1966, to Willie and Genece Duncan, Petty Officer Duncan was raised in her native Houston and graduated from Jack Yates High School in 1984. She moved to Dallas and became a credit collector customer service representative, but decided she wanted a more challenging career. So, on August 19, 1986, she enlisted in the Navy.

After recruit training at RTC Orlando, Petty Officer Duncan went to Aviation SE Electrician "A" School, followed by Mobile Electric Power Plant Technician "C" School at NAS North Island.

In June 1987, she reported to the AIMD SE Division at NAS Cubi Point. During this tour she participated in two "Team Spirit" and one "Cobra Gold" operations, and owing to her outstanding performance, she was named the station's Sailor of the Month for January

Navy League sets awards dinner for March 26

Seven sailors from China Lake will be saluted by the Navy League of the Indian Wells Valley at the 24th Annual Bluejacket of the Year Awards Dinner on March 26 in the Seafarer Club.

The sailors, four from the Naval Air Weapons Station China Lake and three from Air Test and Evaluation Squadron Five (VX-5), are being recognized for their professional excellence and community involvement. One of the seven will earn the honor of Bluejacket of the Year, but all receive cash awards and recognition as outstanding sailors.

Mail-in reservations are being accepted by the Navy League for this event. Cost of the dinner is \$16 per person for the steam-boat round of beef and chicken buffet dinner. Mail reservation requests, with a checks made payable to "Navy League," P.O. Box 2070, Ridgecrest, CA 93556. Reservation deadline in March 19.

The Navy League is also accepting donations and seeking sponsors of the individual sailors being honored. Anyone interested in that aspect can call Teresa at 446-2061 for additional details.



1988. Two

months later

she gave

birth to her

son, Christo-

pher Alan,

and "despite

the addition-

al responsi-

bilities and

hardships she

faced as a new

parent," Lt. Williams

wrote in

Duncan's bio-

graphy, "she

successfully

maintained her

outstanding

performance."

Petty Officer

Duncan advanced

to AS3 in Sep-

tember

1988 and to

AS2 in Octo-

ber 1989.

She was

designated a

Collateral Duty

Inspector and

selected to

take on the

duties of Night

Check Super-

visor of the

SH-60B Mobile

Maintenance

Facility.

Reenlisting

in May 1990,

AS2 Duncan

was trans-

ferred to

NAWS China

Lake in June

1990. Until

recently,

when she

took work

center super-

visor position,

she served

primarily as

training pet-

ty officer.

"Her superb

leadership

and supervi-

sory skills

have made

her work

center the

most produc-

tive in the

branch,"

wrote Lt. Williams, "and resulted in a 43 per-

cent reduction in the work center's awaiting maintenance (AWM) backlog."

Besides being named sailor of the quarter, Duncan was also Senior Professional of the Month for August 1992.

She resides on Station with her son.

Favorite movie—"The History of the World."

Favorite book—"The Color Purple."

Favorite author—Maya Angelou.

Favorite snack—Ginger snap cookies.

Car—1991 Dodge Sundance

Community involvement—While at Cubi Point she was a founding member of the station's Single Parent Support Group. She is a member of the Parent Committee Advisory Board at the NAWS Child Care Center and has been actively involved with the Ridgecrest Women's Shelter. She also enjoys teaching English as a second language two evenings a week to adults at Las Flores School.

Hobbies—Reading novels and body building—"not to become muscular, but to get a hard body, so I'll look good in one of those thong bikinis this summer."

Person you look up to most—"Right now it's Chief Gary Smith. He's done a lot for our division in terms of total quality leadership. He's interested in good morale and quality products, and he believes in good management instead of just giving orders."

Please see **DUNCAN**, Page 5

AT1 (AW) Russell G.H. Dreher Air Test and Evaluation Squadron Five

Ranked as "number one" among 28 first class petty officers in the squadron, AT1 (AW) Russell G.H. Dreher is one of three candidates for Bluejacket of the Year from Air Test and Evaluation Squadron Five (VX-5). Named squadron Sailor of the Second Quarter of 1992, AT1 Dreher is seen by VX-5 Commanding Officer Capt. Garth A. Van Sickle as "the role model in this Command," according to the CO's nominating letter.

Born Jan. 30, 1958, in Bayamon, Republic of Puerto Rico, Petty Officer Dreher moved with his family to Chicago when he was seven years old. At 12, the family moved to Watersmeet, Mich., where he graduated from Watersmeet High School in 1976.

Having enlisted in the Navy the previous January under the Delayed Entry Program, Petty Officer Dreher underwent recruit training at NTC Orlando. He went to Aviation Machinist's Mate "A" School at NAS Millington, Tenn., and then reported to Fleet Composite Squadron Ten at NAS Guantanamo Bay, Cuba.

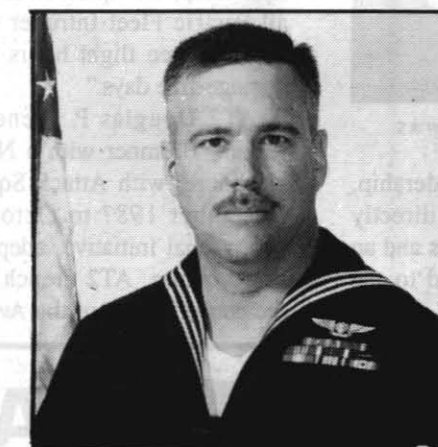
Following his next assignment with Fleet Composite Squadron Three at NAS North Island, he was honorably discharged on Sept. 29, 1980, but reenlisted under the Rescore Program on Feb. 23, 1981.

After graduating from Aviation Fire Control Technician "A" School at NATTC, Millington, he participated in fleet tours with Attack Squadron One Seven Four and Attack Squadron Seven Two at NAS Cecil Field, Fla. He was nominated for ATKRON 72's Sailor of the Year for 1986.

According to the biography in Capt. Van Sickle's nomination package, Petty Officer Dreher was "hand picked from a group of highly competitive technicians to participate in the A-12 Program" and transferred to McDonnell Douglas Corporation, St. Louis, Mo. When the program was terminated, he was transferred to VX-5.

Petty Officer Dreher has served as leading petty officer for the Avionics Division; duty maintenance control chief; Avionics Division career counselor; and urinalysis coordinator.

In nominating AT1 Dreher, Capt. Van Sickle wrote, in part, "His technical knowledge has proven to be unsurpassed as evidenced by his detection of an over-



sight in the A-6E HARM system release and control procedure and the repair of an A-6E ADI wire harness that would normally require depot level assistance."

Petty Officer Dreher resides in Ridgecrest with his wife, Patty, and two children, Daniel and Dana. Patty works for Desert Area Resources and Training of the Indian Wells Valley Association for Retarded Citizens (IWVARC).

Favorite movie—"Flight of the Intruder."

Favorite book—Many. Couldn't pick a favorite.

Favorite author—Jackie Collins

Favorite snack—Ice cream.

Car—1986 Oldsmobile Cutlass Ciera

Community involvement—He serves as Cub Scout Leader for Pack 341, Den 2; coaches youth soccer and youth basketball and volunteers many hours at IWVARC.

Hobbies—Golfing and sailing.

Person you look up to most—"My father, because of what he's done for the family. He was old fashioned and believed in working hard, but he always had time for projects with the kids."

Please see **DREHER**, Page 5

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Naval Aviation Engineering Service Unit celebrates 50 years of service

By Peggy Shoaf
Staff Writer

When a car breaks down, the owner can take it into the dealer, where mechanics especially trained for that type of car can diagnose the problem, replace defective parts and so forth. When naval aviation systems and equipment break down, trained personnel are also on hand to find out what is happening. Unlike cars, however, naval aviation doesn't always have specialized mechanics for each aircraft model, system or piece of equipment.

To fill this gap, naval aviation "mechanics" are trained by technical reps from the Naval Aviation Engineering Service Unit to work on a variety of changing and complex systems and equipment. For the past 50 years, NAESU has provided field engineering assistance and instruction to naval aviation activities in the installation, maintenance, repair and operation of all types of aviation systems and equipment, said ATC Martin Wilson, officer-in-charge of the NAESU detachment office at the Naval Air Weapons Station China Lake.

And in celebration of its past, NAESU is hosting a 50th Anniversary party at its headquarters at the Naval Shipyard in Philadelphia on March 18. "Anyone associ-

ated with NAESU and naval aviation is invited to attend," Wilson said. Anyone from China Lake who would like to attend this party should contact Wilson at 939-5409 as soon as possible.

The unit was established in 1942 to administer a pool of trained officers and civilian technicians to investigate and determine the best solutions to urgent problems arising from the maintenance and operation of new airborne electronic devices. It was first known as the Airborne Coordinating Group.

"Basically," Wilson said, "NAESU is divided into three regions — the Western, Eastern and Southern regions. Each region has individual detachment offices. Every Naval and Marine Corps air station has a NAESU detachment," he explained, "with the exception of Fallon (a naval air facility in Nevada), which never had the need for one."

The detachment office at NAWS China Lake, located on the second floor in Hangar 2, is staffed by only two people, Wilson and the secretary, Linda McKague. Wilson said the majority their time is spent overseeing the local aircraft maintenance contract. The contractors do everything from washing target aircraft to loading ordnance. Currently, the base has 127 contractors for the maintenance services contract, which is held by Kay &

Associates. Additionally, the base uses contractors under NAESU contracts with Grumman, General Electric and McDonnell Douglas.

The detachment is also responsible for dealing with requests for technical assistance. Wilson noted that with NAESU's technical reps, naval aviation personnel have a central place to get knowledge and continuity, where the instruction is the same, on the constantly changing world of naval aviation.

"These tech reps stay on top of changes to an aircraft through its life cycle," Wilson explained. "The changes can include software upgrades, program changes and so forth. They then pass on that training and information to the sailors."

"While most bases have tech reps on base, we don't," he added. "Part of my job is to bring tech reps here, when needed. This type of training is more important today than ever before. It saves money for the Navy because we don't have to send 10 or 20 sailors to another location. Instead, we only spend the money for one person."

With budget cuts and the drawdown, Wilson feels there will be a bigger demand for tech reps, and he hopes the NAESU detachment at China Lake will be able to take on an even bigger role in training these reps.

Three Naval Achievement Medals handed out at NAWS quarters

Three Naval Air Weapons Station China Lake Navy men received Naval Achievement Medals at NAWS Quarters Feb. 1, and 15 other names were called for lesser recognition.

PRC (AW) Jerry L. Spinks received a gold star in lieu of a third award of a NAM for service as assistant command fitness coordinator at NAWS China Lake from June 1991 to October 1992. "PRC Spinks restructured the Command Physical Readiness Testing (PRT) Program and the Sailors' Weight and Exercise Training (SWEAT) Program to provide a wider diversity of remedial training and encourage direct khaki involvement in progress of assigned members," NAWS CO, Capt. B.J. Craig, wrote, in part, in the citation. "His motivational leadership, superior managerial skills and determination directly resulted in a 60 percent reduction in PRT failures and an 80 percent success rate of personnel assigned to the SWEAT Program."



PRC Jerry Spinks

AD2 Kevin D. Johnson received a NAM for achievement as line/troubleshooter supervisor and power plants shift supervisor while serving with Attack Squadron One Sixty-Five from August 1988 to August 1992. "AD2 Johnson simultaneously qualified as engine operator, troubleshooter, final checker and collateral duty inspector for three work centers," wrote RAdm. Bruce B. Bremner, Commander Medium Attack, Tactical Electronic Warfare Wing, in part, in the citation. "As a result of his dynamic leadership, the squadron leads all Pacific Fleet Intruder squadrons with over 53,000 accident-free flight hours and over 540 foreign object damage-free days."



AD2 Kevin Johnson

AT2 Douglas P. French was also recognized by RAdm. Bremner with a NAM for his service as troubleshooter with Attack Squadron One Fifty-Five from December 1987 to October 1992. "Demonstrating exceptional initiative, adept leadership and unwavering perseverance, AT2 French was directly responsible for the consolidation of the Avionics and Fire Control work

centers, resulting in outstanding productivity and squadron readiness over a five-year period," the rear admiral wrote, in part. "Displaying unparalleled dedication as a flight deck troubleshooter during Operation Desert Storm, his quick thinking and vast systems knowledge averted countless lost strike missions."



AT2 Douglas French

Other recognition

AT 2 French also received a letter of appreciation, as did Lt. Fred Butler, ASAN Jeremy R. Bruns, ATAN Michael J. Brown, AMSAN Michael J. Rogers, AMS3 Samuel R. Padilla, PRAN James Dick and PR3 William Thompson.

Letters of commendation were passed on to PR3 Brett G. Kittelson and AMS2 Kenneth Murray.

Good Conduct Awards went to AC1 Thomas W. Cody Jr. and AK3 John W. Woodall III.

Certificates of completion of 54 hours of F/A-18 training were presented to AT1 Steven W. Davis, AMS2 Michael A. Jewell, AMS2 Aaron W. Newbolt and AMH3 Jimmy R. Green Jr.

All Faith Chapel Services

Protestant

Sunday Worship Service, East Wing 8:00 a.m.
Sunday Worship Service, Main Chapel 10:30 a.m.
Sunday School, 1008-10 Blandy & 1903-05 Mitscher 9:00 a.m.
Bible Study (East Wing), Wednesday (September thru June) 11:30 a.m.
Men's Prayer Breakfast, East Wing, Thursday 6:30 a.m.
Officers' Christian Fellowship/Christian Military Fellowships, East Wing, Thursday 7:00 p.m.

Jewish (446-4152 Messages)

Weekly Services, Friday, East Wing 7:30 p.m.
October through June
Hebrew Classes, Saturday, 1902 Dobb 2-5 p.m.
Adult Education, Saturday, 1902 Dobb 10 a.m. - noon
September through June
Religious School, Sunday, 1902 Dobb 9:30 a.m. - 12:30 p.m.

Roman Catholic

Sunday Mass, Main Chapel 9:00 a.m.
Daily Mass, Blessed Sacrament Chapel 11:35 a.m.
Confessions, Sundays 8:15 - 8:45 a.m.
Confessions, Weekdays By appointment
Religious Education Classes, Sunday (September thru May) 10:15 a.m.
1902 Dobb, 1002 Blandy, 1008-10 Blandy & 1903-05 Mitscher
Adult Education Classes, Thursdays (September - May) 7:00 - 8:00 p.m.
St. Ann's School Library 8:15 - 9:45 p.m.
RCIA, St. Ann's School Library
Islamic
Jumaa Prayer, Friday (1002 Blandy) 12 noon

Video Listings

March 1-12

KNID

•Monday-Friday, March 1-5
5:30 p.m.: Navy News
5:55 p.m.: Historical Film: "The U.S. Naval Ordnance Test Station" (1952)
6:25 p.m.: "People in Progress: Ecuador"

•Monday-Friday, March 8-12
5:30 p.m.: Navy News
5:55 p.m.: Historical Film: "Michelson Laboratory" (1951)
6:10 p.m.: "Projection of Power" American Aviation Gunnery
6:43 p.m.: Mayo Clinic: Spirit

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.

•Tuesday, March 2
8:30 a.m.: DoD—Human Resources Management: Downsizing
9:30 a.m.: CCI: FDDI: LAN internets: Fundamentals of the Intelligent Hub
11:30 a.m.: Wellness: Relaxation
1:00 p.m.: Legacy of the Lake ... China Lake Diary ... Weapons that Work

2:30 p.m.: Guide to Business Negotiating—Roger Dawson
•Thursday, March 4
8:30 a.m.: Wellness: Supermarket Savvy
9:30 a.m.: CCI: The Object Model and Object Services
11:30 a.m.: Wellness: Relaxation
1:00 p.m.: Tom Peters: Speed is Life: Get Fast or Go Broke
2:30 p.m.: Morris Massey: Dancing with the Bogeyman—How to get through tough times and tight budgets without losing your head

•Tuesday, March 9
8:30 a.m.: Wellness: HIV/AIDS in the Workplace (rebroadcast of 10/20/92 class)
11:30 a.m.: Wellness: Relaxation
1:00 p.m.: Building High Performance Teams—Ken Blanchard
2:00 p.m.: Tom Peters: Business and the Environment

•Thursday, March 11
8:30 a.m.: Drug and Alcohol Abuse Prevention
9:30a.m.: The Hidden Customer: The Internal Customer
11:00 a.m.: Wellness: Relaxation
1:00 p.m.: Discovering the Future: The Business of Paradigms
2:00 p.m.: Twelve Steps: A sensitive interpretation of the program that have helped millions of individuals and families overcome their problems.

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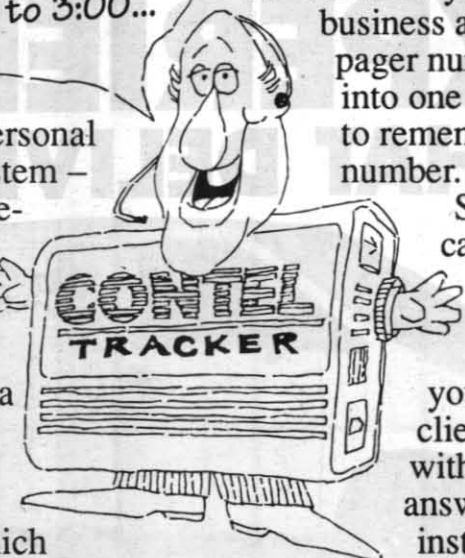
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Special Olympics effort here starts with a pair of fund raising events

Self-confidence and self-esteem have been accepted by the medical community as being imperative to the mental health of children and adults alike. Through Special Olympics, people with mental retardation are achieving that positive self-image.

On April 24, the City of Ridgecrest, the Indian Wells Valley Association for Retarded Citizens/Desert Area Resources and Training and the Boeing Company will co-sponsor Ridgecrest's first Special Olympics. Approximately 175 athletes will participate in track and field events at Cerro Coso Community College, bowling at Sierra Lanes and swimming at the Naval Air Weapons Station China Lake Community Pool. Following the sports events, a dinner and dance will be held for the participants at the Elk's Lodge.

To help raise funds for this event, two main events are being planned. Tomorrow, TLB Charters, Nevada Landing Casino, IWVARC/DART and Boeing will sponsor a turn-around bus trip to the Nevada Landing Casino in Jean, Nevada.

The bus leaves from the Boeing Computer Support Services parking lot, 443 Inyokern Road, at 7 a.m. and will return at approximately 11 p.m. The tax-deductible cost of \$12.50 per person includes a continental breakfast (served on the bus) in the morning and soft drinks on the return trip. Checks should be made payable to IWVARC. Reservations may be made by calling Sandy Madeleine at 499-5945 or 446-7358. All proceeds from this event will benefit the Special Olympics.

A concert featuring country star John Anderson, who produced the top country hit "Seminole Wind" is set for 7 p.m. Friday, March 19, in Mesquite Hall at the Desert Empire Fairgrounds. Ron Marshall and the Silver Creek Band will also be performing.

Presale tickets are \$32.50 for "Section A, Preferred Seating," \$25 for "Section B, Table Seating" (must purchase table for eight for \$200 or half table for four for \$100) and \$19.50 for "Section C, General Admission." Checks should be made payable to IWVARC. Tickets are available at the Center Pharmacy, Aide Stationers, IWVARC/DART, Daily Independent, KLOA Radio, Animal Emporium and Discovery Thrift Shop. Tickets purchased at the door will be \$3 higher.

The primary purpose of the Special Olympics Program, since the first Special Olympics in 1968 by the Joseph P. Kennedy Jr. Foundation, has been to improve the self-confidence of individuals with mental retardation through extensive sports training and recreational experience. Increasing numbers of Special Olympians are gaining self-respect in addition to developing physical and social skills, leading to more independent living.

DoD announces a delay in release of I.G. report on Tailhook incident

Washington (NNS) — In a DoD news briefing held last week in Washington, DC, Deputy Assistant Secretary of Defense (Public Affairs) Bob Hall announced that the DoD IG report on Tailhook will not be released until a new Secretary of the Navy has been appointed by the President and confirmed by the Senate.

"The Secretary of Defense and the Deputy Inspector General have decided not to release the report until a civilian Secretary of the Navy is available to deal with it," said Hall.

Volunteers needed

Many volunteers are needed to help make the Ridgecrest Special Olympics a success, said Sandy Madeleine, fund raising and public relations coordinator. In addition to helping fund raising efforts before the event, volunteers are needed on the day of the event to hug the athletes, help prepare and serve meals, prepare and clean up the event sites, assist visiting teams, provide security and emergency medical assistance, time events, record scores, and so on. Anyone wanting to help make this event a success is asked to call Madeleine at 499-5945, or MSCM Bonnie Fears, 939-5202, the volunteer coordinator.

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Kapernick retirement, inspection set Monday

Capt. Robert Kapernick, former associate weapons director of the Naval Air Warfare Center Weapons Division, is retiring from the Navy. While a luncheon was held yesterday for the captain, his retirement ceremony will be

held Monday, March 1, in conjunction with the command winter inspection on the lawn of the Headquarter's Building. Festivities begin at 2 p.m.

Capt. Kapernick will host a reception at 3 p.m. at the Seafarer Club.

Chapel
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By Lt.J.g. David Alcea, CHC, USNR
Assistant Command Chaplain



Do you know where you're going?

It is said that a blind man's world is bounded by the limits of his touch; an ignorant man's world by the limits of his knowledge; a great man's world by the limits of his vision. Sometimes it is not easy to focus on things in life with accuracy and understanding.

There is a statue of Jesus as big as a ten-story building in a place called Thors Warden in Ireland. Tourists from throughout the world go to see the monument. A young man decided to go there with a friend, and when they were a moderate distance from the statue, his friend cried out loud, "This Jesus is ugly!" The young man asked his friend

to come nearer. Finally, when he saw the monument at close range, he shouted, "This Jesus is beautiful!"

The point is, to understand things in life you must take a look from close and afar, from inside and outside, from under and above, from beside and back. Those who have a vision in life can really set a standard for their dreams, wishes and hopes. They can choose being losers or winners. They can say with pride and honor, "I am alive!" If you have to care, why not spice it with a tracking vision of your life? Dr. Martin Luther King had a dream because he had a vision. He knew where he was going; do you?

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Seabees set birthday ball for March 13

Members of the Naval Mobile Construction Battalion Seventeen, Detachment 0217, will be celebrating the 51st birthday of the Seabees and the 126th birthday of the Civil Engineer Corps on March 13. The Naval Air Weapons Station China Lake Seabee detachment is honoring the occasion with its annual CEC/Seabee Ball at the Seafarer Club.

The event opens with a social hour from 6 to 7 p.m., followed by a two-meat buffet dinner from 7 to 8 p.m. A program honoring past and present Seabees will be held from 8 to 9 p.m. Guest speaker will be RAdm. (select) David J. Nash, Commanding Officer, Naval Construction Battalion Center, Port Hueneme. RAdm. Nash is also Commander of the Thirty-First Naval Construction Regiment. After the program, guests will be able to dance to the music of "Common Grounds," a variety band from Ridgecrest. The ball ends at midnight.

Tickets, which are \$24 each, may be purchased by calling Lt.j.g. Brian Lewis at 939-4071 or Ensign Greg Rile, 939-4097.

DUNCAN from Page 3

Likes best about the Navy—"It offers great opportunities for those willing to seek them. It enhances skills that otherwise might not be recognized. My nature was to be outspoken and boisterous. By training me to be an instructor, the Navy has helped me to focus on that and turn it into an asset. Now I've become an articulate, effective communicator."

Likes least about the Navy—"The higher up you go, the more political it becomes."

After retirement I plan to—"get a law degree, become a lawyer and eventually get into politics."

DREHER from Page 3

Likes best about the Navy—"Job security...although things are changing...and travel."

Likes least about the Navy—"All of the changes coming down."

After retirement I plan to—"enter into partnership with my brother-in-law running the family General Store in Three Lakes, Wis."

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VACUUM from Page 1

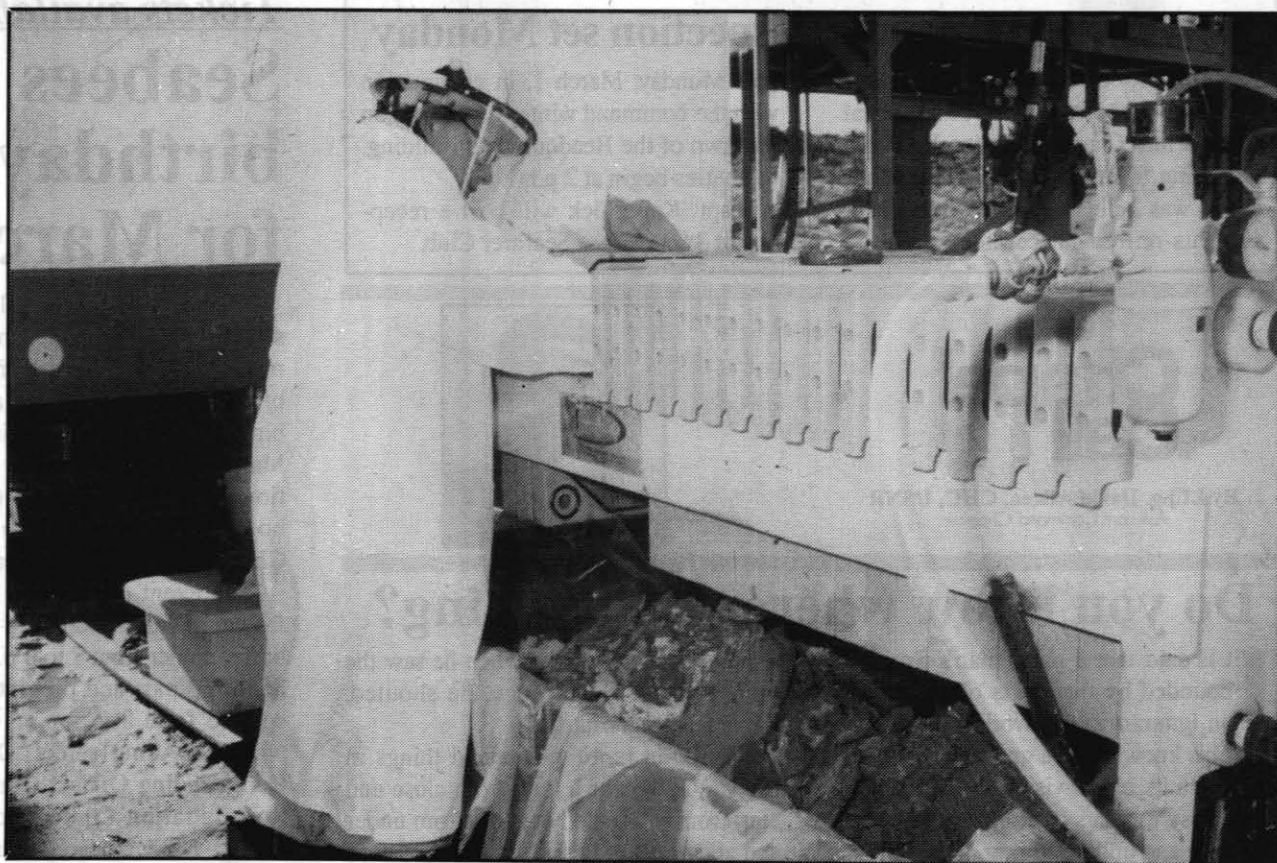
Rob Ostrom of China Lake's Range Department Test Management Office coordinated the cleanup effort for China Lake. "Because the Range Department, Alliant Techsystems and the Army knew from the beginning that the DU rounds would eventually have to be cleaned up, they tried to contain the contamination during testing," he explained. To test for accuracy, projectiles were fired at targets suspended from poles 3,000 meters away. A 60-foot-long steel catch box was constructed on the hillside behind the target and filled with sand, and most of the projectiles entered the box's 20-by-20-foot front opening. A few fell short or landed beside the box; even when the projectiles entered the box, sand and DU particles were scattered outside. After impact, a projectile could travel for 30 or 40 feet through the soil, sometimes disintegrating. The abrasive action of the sand caused some of the DU to adhere, or chemically bond, to the sand particles, leaving a pile of DU projectiles and fragments and contaminated soil at the site.

Over the 10 years of testing at China Lake, DU scrap accumulated in the catch box. Over time the catch box began to deteriorate, and in 1990 the Range Department ceased testing at the site pending cleanup and repair of the catch box. (Shortly thereafter, as a result of consolidation studies in gun munitions testing, DU gun testing was discontinued at China Lake altogether.)

The most common way of dealing with such contamination in the past was to dig up the contaminated soil, pack it in containers and send it to a commercial burial site that accepted low-grade, or low-specific-activity, radioactive waste. Typical burial cost, however, is about \$75 per cubic foot of soil, in addition to moving costs.

China Lake's contaminated area covered almost six acres.

Alliant's search for an alternative method led it to



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Lockheed Environmental Systems and Technologies Co., a Las Vegas-based division of Lockheed Corp. specializing in the cleanup of radioactive waste.

Lockheed Environmental uses a patented process to separate radioactive or heavy-metal contaminants from the host soil. The process has been demonstrated at the Johnston Atoll in the South Pacific and at the Nevada

Test Site, both of which were contaminated with plutonium from nuclear-weapons testing. It was also demonstrated at China Lake in 1991 in a small-scale version of the current operation. Lockheed Environmental's goal is to reduce by 80 percent or more the amount of material that must be shipped off site for disposal.

Before cleanup began at China Lake, a radiological

China Lake Spring Soccer League seeks competitors at several levels

Registration for the Spring Youth Soccer season at the Naval Air Weapons Station China Lake will be taken at the Youth Center from March 1 through April 2. The season runs from April 17 through May 22. All youngsters, from 5 to 14 years of age, are eligible to play.

Evaluations will be held at Schoeffel Field starting March 29 for 5- to 8-year-olds. Evaluations for 9- to 14-year-olds will be held March 31 and a make-up evaluation session for all ages will be held April 2. All of the sessions will be held from 6 to 7 p.m.

Costs range from \$12 to \$19, depending upon rank and civilian status. A reversible, yellow and blue t-shirt is required and may be purchased for \$12. Shin guards are also mandatory and are available at a cost of \$3.

On April 7, a coach-and-referee meeting will be held at the Youth Center, starting at 6 p.m. After this meeting, parents and players will be notified of team placement.

Shooters hosting rifle tournament at high-power range on March 20

Sierra Desert Gun Club will hold a DCM-approved 50-shot qualification match Saturday, March 20, at 8 a.m. on the Naval Air Weapons Station China Lake High Power Range. This match is for 30-06 M1, 30-06 National Rifle Association match rifles and M16/AR15 only. Entrants should arrive at least a half hour before the match starts to obtain squadding cards.

There will be no awards for this match. It will count as part of the 120 rounds per year for qualification for a DCM M1 Garand.

Advance entry for this match is required and must be made by 9 p.m. Thursday, March 18. Registration may be made by calling Nelson Foucher at 375-1252 (recorder) or 939-3476. Entry fee is \$2 for those without a current club membership card.

The course of fire will be two sighters and 10 shots at 200 yards, standing, in 12 minutes; two sighters and one ten-shot string rapid fire in 70 seconds at 300 yards and two sighters and 20 shots slow fire in 22 minutes at 600 yards.

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TID's Photography Branch providing latest color, computer-based electronic imaging

For employees having trouble printing color images, members of the Technical Information Department's (TID) Photolab Services Branch at the China Lake site of the Naval Air Warfare Center Weapons Division can now end that frustration with their new electronic imaging capabilities. The branch staff are now able to produce color and black and white (photographic quality) prints and viewgraphs that meet employees' requirements.

The Photolab Services Branch is located in Wing 1 of Michelson Laboratory, Room 1125.

For its electronic imaging needs, the branch is equipped with Canon's CLC 500 Color Laser Printer and Kodak's XL 7700 Digital Continuous Tone Printer.

The Cannon CLC 500 can produce 8.5" x 11", 11" x 17" and mural-size prints on bond paper. Images can be manipulated on the printer or they can be scanned into the branch's Macintosh for manipulation. Images can also be scanned and sent via the Appleshare network to an employee's workstation for manipulation. The image can then be sent back for quality printing.

The KODAK XL 7700 produces prints and transparencies up to 8.5" x 11." The prints are produced on Kodak Ektatherm Print Paper, which has the same weight and finish of photographic prints. The XL 7700 transparencies are also photographic print quality.

With electronic imaging, the branch is now capable of printing images from Macintosh, Unix or PC computer systems, and the staff has on-hand image conversion software to accommodate the various file formats.

Electronic imaging is also on the corporate ethernet, so files can be transferred directly to the photo lab's Macintoshes. The lab has full TCP/IP compliance with all UNIX workstations and VAXs running TCP/IP.

The photo lab's Macintoshes run with System 7, making file sharing capabilities available. Quick mail can also be sent with the enclosures.

To see samples of the photo lab's color printing capabilities, call Colleen Hoberg or Mike Johnson at 939-1115 or visit the lab from 7 a.m. to 5:30 p.m. Monday through Friday.

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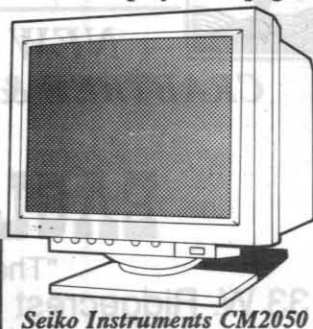
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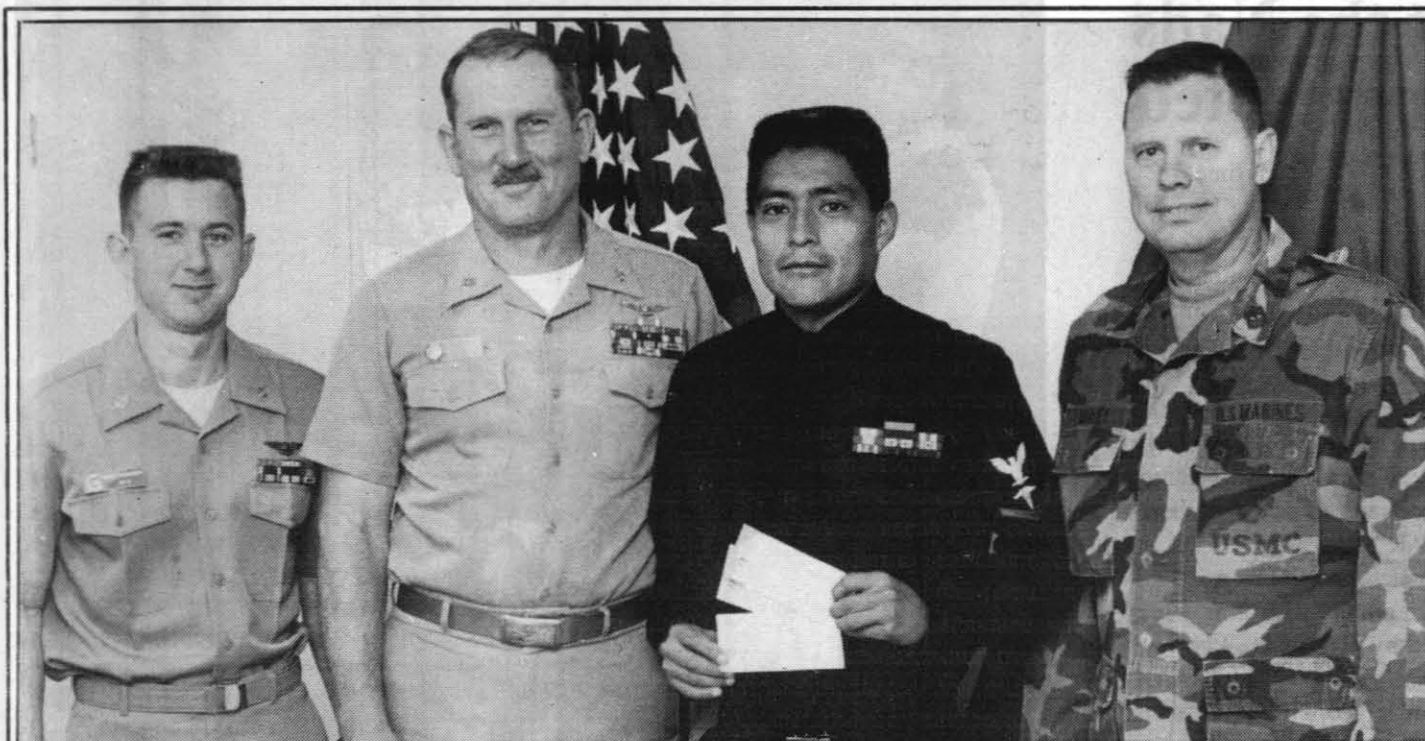


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BLUE ANGLES MARATHON competitor, HM3 Ivan Wright (second from right), accepts sponsorship checks from (l to r) ATC Roger Kozlowski, representing the VX-5 Chief Association; PRC Jerry Spinks, representing the Indian Wells Valley Chief Petty Officers Association; and 1st Sgt. Roland Hatley, representing the Marine Aviation Detachment at China Lake. The hospital corpsman from the Branch Medical Clinic will be competing in the Florida marathon on Feb. 27. A full story on how he did will appear in an upcoming issue of The Rocketeer.

Ski Club offering opportunity for late winter action

Skiing conditions are "hot" right now and the China Lake Ski Club has lowered its membership dues and extended its Mammoth cabin lease through April.

People who have been thinking about joining the club are urged to join now. Members have unlimited use of the Mammoth cabin, one-fourth mile from

Warming Hut II. For additional information on the club, call Dennis Rowell at 446-5049 or Lee Wood at 377-5085 in the evenings or on weekends.

Recreation hoop loop signup time arrives for a spring season

Military, Department of Defense civilian and private citizen basketball leagues are now forming, said Karen Rivers, manager of the Naval Air Weapons Station China Lake gymnasium. Individuals interested in playing on a team should register now at the gym.

Team managers may pick up blank rosters at the gym. Completed rosters are due back no later than March 6.

Costs to play on a team vary, Rivers said. To find out about the costs and league rules, stop by the gym or call Rivers at 939-2571.

Junior practice sessions set

Every Tuesday evening, the Sierra Desert Gun Club Junior Division meets for rifle practice. The range is open at 6:30 p.m. and the first relay begins shooting at 7 p.m. Precision air rifles, pellets, all other needed materials and instruction are provided for junior club members. The standard ammunition and range fees are 25 cents each.

The junior division is open to all residents of the area between 11 and 18 years of age. Junior members' parents do not need to be club members. Junior members receive individual one-on-one instruction in safe gun handling.

survey of the testing area was performed. The contaminated or "hot" area was roped off and divided into sections. The catch box was cut into pieces and put into containers for shipping and disposal.

A 40-by-100-foot pond holds more than a million gallons of water used in the cleanup process. Some of the water used in the process is recycled back into the operation, and the rest evaporates. Although the water is not contaminated by the time it leaves the system, a health physicist with an on-site laboratory tests the water twice after use—once in a holding tank before the water is released to the pond, and again in the pond—to ensure no radioactivity is present.

The ground underneath the pond and part of the work area is lined to provide secondary containment. As in every step of the operation, other environmental issues were considered. A fence around the pond keeps desert tortoises from straying too close and falling down the embankment.

In the first stage of the cleanup process, a vacuum powered by a 100-horsepower diesel motor and with hoses hand-held by cleanup crews removes the top two or three inches of soil from the contaminated area.

"This is an incredible process to watch in action," said Capt. B. J. Craig, NAWS China Lake Commanding Officer. "When I first saw the area behind the catch box, with the rocky hillside and the people in protective clothing walking around with huge vacuum hoses, it looked almost like a moon site."

The health physicist follows behind the vacuuming crew with a radiometer. If high levels of radiation are detected after vacuuming, more soil is removed. In some areas as much as a foot of soil has been vacuumed, and in the area immediately in front of the catch box a backhoe was used to dig down several feet for complete removal of contaminated soil.

The vacuumed soil is sent through a multiple-step gravity circuit. Fed onto a conveyor belt, the soil passes under a magnet that removes iron particles, which are treated as contaminated waste and sent to disposal. Smaller particles, along with the wash water used to clean the larger rocks, are sent as a slurry to a gravimetric separator, where heavy metals and radioactive contaminants, which have higher specific gravities than the soil, are separated out. The soil is monitored for radioactivity and placed in a clean-soil area or sent through the gravimetric separator again. Roughly 18 tons of material per hour are processed through the gravity circuit, which operates 10 hours a day.

At China Lake, Lockheed Environmental is using a chemical leaching process to achieve greater volume

reduction. In the leach circuit, the contaminated material that has been separated out is passed through another screen, and particles larger than one-thirty-second of an inch are pulverized.

The material then passes through a series of 10 tanks, where it is agitated in a two-percent sulfuric acid solution to leach out the DU. A maximum of six tons can be leached per hour. After leaching, the acid is neutralized with sodium hydroxide and sent to a holding pond.

The slurry is sent to a continuous counter-current ion-exchange separator, which strips contaminate from the soil particles. The concentrated contaminate, called yellow cake, at about 70,000 picocuries of radiation per gram, is the hottest material at the site. Some 3,100 pounds of yellow cake have been extracted to date. In comparison, the cleaned-up soil at the site will have less than 35 picocuries per gram, which equals the NRC-established level for unrestricted use after cleanup. Levels of radioactivity before cleanup began ranged from 25 picocuries per gram in the undisturbed soil to 3,000, inside the catch box.

"When I first saw the area behind the catch box, with the rocky hillside and the people in protective clothing walking around with huge vacuum hoses, it looked almost like a moon site."
—Capt. B.J. Craig, NAWS CO

Although some material, including the yellow cake, the steel catch box and the iron particles, must still be buried, volume reduction using the gravity circuit alone could be 80 percent. Philip Gehner, project engineer for Lockheed Environmental, said with the combination of gravity and leaching circuits, volume reduction may be as high as 95 percent. Capt. Craig said, "I was impressed with their ability to separate the wheat from the chaff, so to speak, and return so much of the earth to the site in better shape than they found it. This process may be the model for the way we should do this in the future."

Cleanup began last February and is expected to be completed soon. Lockheed Environmental is working under a multimillion-dollar contract to Alliant.

The Army has reimbursed Alliant \$1.7 million, and discussions between the Army and Alliant on funding continue. Cost to NAWS China Lake was minimal.

The NAWS Safety and Security Department has cognizance over radioactive materials used on Station, and Radiation Safety Officer John Bradford has interpreted the NRC's regulations. The Environmental Project

Office helped get the necessary permits and approvals and arranged for archaeological and biological surveys of the area before work began. This office must be consulted before any ground on Station is scraped or excavated, and cleanup of DU by any method involves disturbing the entire surface of the contaminated area—killing vegetation and possibly disturbing wildlife habitat.

NAWS China Lake recently completed another DU cleanup project at the 25-millimeter catch box area near the China Lake Propulsion Laboratory gate, done by another contractor.

The Range Department has begun preliminary work on the cleanup of other DU-contaminated sites and hopes to begin cleanup of these areas in the near future. A further consideration, said Ostrom, is environmental damage caused by the cleanup process itself.

The cleanup process becomes more difficult, according to Tom McGill, head of the NAWS Environmental Project Office, if endangered species or Indian archaeological resources are present. "At this site we were able to mitigate any type of damage," he said.

Although Alliant and the Army funded this effort, the shrinking Department of Defense budget makes dollars for environmental projects scarce. Customers who use China Lake's ranges are responsible for cleanup costs, said McGill. If the customer doesn't pay, he said, "the base can eventually get stuck for the cost. Under Environmental Protection Agency policy, lack of funding is not an acceptable reason for not cleaning up a site."

Money is more difficult to come by, but nevertheless, Capt. Craig said China Lake is proud of its environmental record and is committed to remaining proactive on environmental issues. "I believe very much in the environment. Our mission can be compatible with the environment. We just need to understand the impact of whatever we're about to do." New Navy regulations require environmental planning and review for all new programs.

For cleanup of some sites, money is available from the Defense Environmental Restoration Account. Capt. Craig said, however, this money is available only if the site is on a national priority list for cleanup. China Lake is in better shape than the sites on the list. "We are constantly looking for funding sources to address environmental challenges. I say 'challenges' because they are not always 'mess cleanups.' On this base we protect archaeological artifacts and we follow our endangered-species management plans. We have an immense responsibility, and we practice good stewardship of our land, air, water, wildlife, and historical resources."

NAWCWPNS Fellowship Program briefing set for March 2, in ML 1000D

The Naval Air Warfare Center Weapons Division Fellowship Program, previously known as the Long-Term Training and Development Program at the then Pacific Missile Test Center at Point Mugu and the China Lake Fellowship Program at the then Naval Weapons Center at China Lake, seeks applications for long-term graduate and undergraduate level fellowships (training off-Station for a period of more than 120 consecutive working days). Applications are invited from NAWCWPNS and subordinate command employees at all sites for programs of study beginning this fall.

Areas of critically needed skills have been assessed by NAWCWPNS management and should have been distributed to departments. Dr. Ronald Derr, chairman of the Fellowship Committee, will discuss the program March 2 from 9 to 11 a.m. in Room 1000D of Michelson Lab. Items covered will include the program's objectives, entitlements, eligibility, critical needs, application procedures, selection process and funding. To be eligible for a fellowship, interested individuals should be employed at NAWCWPNS for at least three years at the

time studies begin and, if applying for undergraduate level training, must be within two years of completing the undergraduate program.

A fellowship may be considered to meet any of the following objectives:

1. To update employees' knowledge where several years have passed since they have completed or left academic or in-service training.
 2. To update employees' knowledge and background in their job specialty.
 3. To teach employees aspects of another occupation that relates to their present occupation where responsibilities are interdisciplinary or multidisciplinary.
- The NAWCWPNS Fellowship Committee will consider applications in any area of study that relates directly to the division's critical skill needs. The primary criteria the committee follows in determining when long-term training is used instead of after-hours, part-time or short-term programs are:

1. The new knowledge and skills required of the employee, either in present or planned career assign-

ments, necessitate a comprehensive, concentrated program of study.

2. The time span for acquisition of new skills and knowledge is such that an accelerated study program of long-term full-time duration is required.

3. It is determined the academic superiority of the institution selected is such that it is clearly in the best interest of the government that the employee attend the selected educational institution.

4. There is no educational institution or academic program in the local commuting area for part-time or after-hours training.

Funds are available to cover the trainee's travel allowance to and from school (round trip), tuition and fees required for enrollment and payment of a reduced rate per diem to cover the cost of rent and utilities. Code C62204 will be responsible for payment of the trainee's salary, including manage-to-payroll funding.

Further details of the program and application forms are available from Bill Bethke or Sue Bristow, 939-2349. The deadline for submission of applications is April 22.

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HAALAND from Page 1

NAWCWPNS is an area of critical importance to Haaland. "When Admiral Jeremiah (deputy chairman, Joint Chiefs of Staff) visited in January he raised a lot of science and technology questions and, because of my association with that world in the past I was able to answer most of his questions. I'd like to be able to say that a year from now as well. I will make a strong effort to maintain my interface with my technical heritage and remain connected to that world," he said.

Haaland realizes there are tough times ahead and challenges to the Navy and Department of Defense will continue. The single most important leadership challenge he sees in the coming years is to maintain a NAWCWPN environment that allows the technical people to do their technical best. To give them every opportunity to do all their work without the overwhelming burden of the bureaucracy.

But, as St. Francis of Assisi once said of challenges, "Start by doing what's necessary; then do what's possible; and suddenly you are doing the impossible." Haaland is likely to face those kinds of challenges in many areas during his tenure as deputy commander for R&D.

During the interview, Haaland stressed a goal of completing the NAWCWPN Strategic Plan. The plan, which he thinks will help position the division for the future, will fit with the Naval Aviation Systems TEAM Strategic Plan unveiled by VAdm. W.C. Bowes, Commander, NAVAIR, last year.

"I think people will be pleased with this plan when it is released in the near future. The Strategic Plan will help us be ready to take advantage of opportunities that may come as a result of all the change going on. We have to be positive about the future, it will be here and we need to plan for it," Haaland said.

'Once the decisions are made, you get behind them and people work together toward that goal and impressive accomplishments result.'

Along the lines of new efforts to prepare for the future, Haaland cited the Total Quality Leadership (TQL) coming from VAdm. Bowes at NAVAIR. This will promote and enhance the NAWCWPN ability to cope with and respond to a changing environment.

TQL, he noted, takes time, patience and persistence; none of which will happen overnight. "But," said Haaland, "things like budgets will force change upon us. I'm in the middle of some of this change and it's hard for me to change. I know it will be hard for others as well."

"I strongly believe a basic understanding of TQL and how it involves people and processes is critical to our staying in business. From the very top on down, we are changing how we do business. It is critical to our success that we be able to quickly develop teams, across the division to rapidly respond to new opportunities, wherever they may come from."

Still discussing his perception of how the world is changing for NAWCWPN, Haaland talked about a recent visit of NAVAIR officials who gave a briefing on "functional leadership" and how this will change the way we execute programs within the TEAM. "Once the decisions are made, you get behind them and people work together toward that goal and impressive accomplishments result."

"Our role (at NAWCWPN) in the whole acquisition process has evolved and changed over the past five or six years. But, I still feel it is of fundamental importance



Sterling Haaland

that people in the field have the knowledge to be 'smart buyers.' It may not be in the old way of hands-on hardware work. It may be more in the area of simulation, modeling and software. But this is why we have had such success in delivering quality products to the fleet. And, as Capt. J. V. Chenevey used to remind me when I headed the Weapons Directorate, 'think fleet first.'"

Looking into the future, Haaland expects added emphasis on working together, not only with other Navy units, such as the NAWC Aircraft Division, but with the Air Force and Army. Speaking of efforts undertaken by

P.E. Bombers beat the Nads to finish season undefeated

By Carl Norlund
Sports Correspondence

On Feb. 5, the "P.E. Bombers" shut out the "Nads" in the Naval Air Weapons Station China Lake "Super Bowl." The Bombers capped a perfect season by ripping the Nads 32-0.

Star player for the winning team was Daryl Brown, who threw passes for four touchdowns and one conversion and returned a punt for a touchdown.

The league title game started out very competitively, remaining scoreless until just minutes before the half, when the Bombers made their strikes. Brown hit Tony Coley for two long touchdown passes before scoring on his punt return. A successful conversion toss to Mike Watkins following the second Coley score made it 20-0 at the half.

The Nads tried to come back in the second half, driving the ball close to the goal line on a number

of occasions. But, each time, they were turned back by the Bomber defense.

Brown added two touchdown passes to Vernon Nabors in the third and fourth quarters, bringing the final score to 32-0.

The Bombers advanced to the title game by blasting the "Dirty Dawgs" 50-6 in a playoff game, while the Nads advanced by beating "SAK" 28-12.

The undefeated Bombers led the league standings with nine wins, followed by the Nads, who had seven wins and two losses. SAK took third place with seven wins and two losses, followed by the Dirty Dawgs, who took fourth with five wins and four losses. The "Vamps" ended their season with five wins and four losses, while "Night Attack," "Fine Line," "Desert Chickens" and "M.A.D. Dogs" each had three wins and six losses. "ASF," who had a very unlucky season, came in last with nine losses.



Photo by Terra Pascarella

CHAMPIONS of the Naval Air Weapons Station China Lake Intramural Football League were the "P.E. Bombers." Team members include (bottom row, l to r) Glenn Robinson (team co-manager), Makana Lowe, Daryl Brown, John Bradley and Frank Brown (team co-manager). Pictured in the top row (l to r) are team players Marc Mitchell, Johnny Stewart, George Pauley (Moose), John Wilhite and Chris Ruffin (Critical Mass). Not pictured are Antonio Coley, Vernon Nabors, LaMont Dawson, Sherwin Williams, Mike Watkins and Chris Gibbs.

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China Lakers invited to play with the pros at golf tourney

By Peggy Shoaf
Staff Writer

America's future women golf stars may be at China Lake next month during the Players West Golf Tour tournament, noted Tom Page, the golf pro at the Naval Air Weapons Station China Lake Golf Course.

The 54-hole professional event, "China Lake's Women's Open," March 15-17, will feature women professionals with outstanding amateur and collegiate credentials whose sights are set on earning a playing card from the Ladies Professional Golf Association. Players may also include top club and teaching professionals seeking to hone their competitive skills as well as veteran professionals preparing to regain LPGA status.

Prior to the professional tournament, China Lakers will be able to play with the professionals in a pro/am tournament set for March 14.

The pro/am tournament is open to anyone, male or female. The China Lake Pro-Am features a 9 a.m. shotgun start. Amateurs will compete in teams of five with a Players West professional in a two-best ball format. The pro/am field is limited to the first 144 amateurs. The entry fee is \$75 and includes green fees, cart, prizes (supplied by the China Lake Pro Shop) and entrance to the awards barbecue following the pro/am tournament.

The public is welcome to attend these two events free of charge. Refreshment booths, sponsored by the Morale, Welfare & Recreation Department, will be open during playing time.

Help needed

"Get into the middle of the action," invites Tom Page, "and help make this Players West Golf Tour professional golf tournament as close to an LPGA tournament as possible."

People are needed to drive the carts, act as marshalls undertaking crowd control, be scorers and so forth, Page said.

Offers to house a golf professional during her stay in Ridgecrest will also be welcomed, Page said.

Any one who would like to donate their time by helping out should call Page at 939-2990.

Tee time for the professional event is 8:30 a.m. Monday, Tuesday and Wednesday. "These participants play for a living," Page said, "so spectators should be able to witness some good golf shots. People will be able to watch plays they don't normally get to see on television. Viewers can choose the players they want to watch and see how they handle themselves for the entire 18 holes. One of the (professional) players might even be the next Nancy Lopez," Page added.

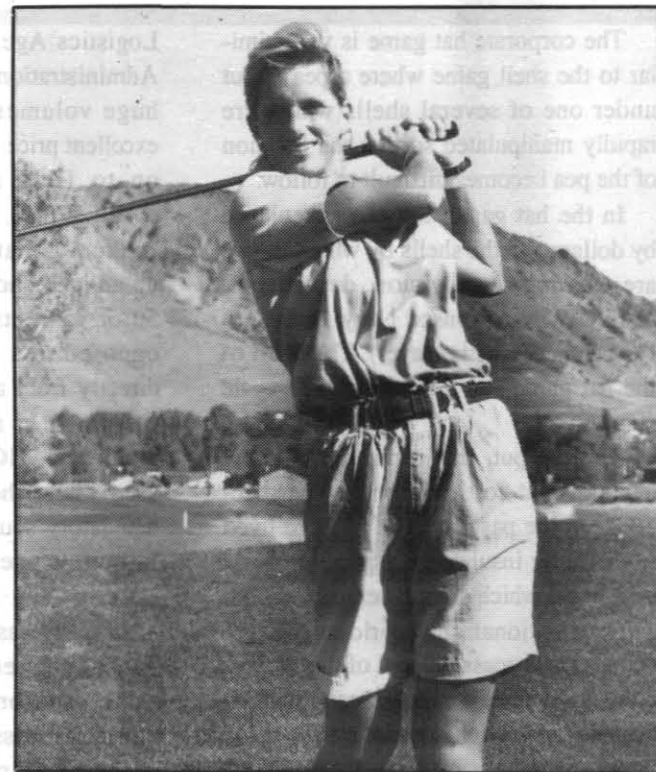
Page said he invited the Players West Golf Tour to play on the China Lake course for a number of reasons. "We have a good golf course here," he said, "and we need to let people know that. If we put on a good tournament, it will give us good publicity. If the professionals come out and play (and are satisfied with the course), they will go out and spread the word, bringing more people to play on our course, which will help keep green fees affordable for everyone."

Another reason is the advantages for the City of Ridgecrest. "We are trying to attract outside people here with outside dollars to spend in this town through hotels, restaurants and whatever else they want to spend their money on while they are here," Page said. "These professionals will be here for four to five days, spending money. The more people we can bring up here for multiple-day tournaments, the better it can be for the city."

Players West players also benefit. "It's not as easy as you think to get a golf course to hold a pro tournament," he said. "It's not easy to get a golf course to give itself up for three days like we are. You can do it, but a lot of times it is cost prohibitive. The prize fund generates from sponsors and player entry fees. Out of that money, administrative and course costs must be paid. For example, let's say a person is putting up a \$250 entry fee, and you are playing the tournament somewhere with a \$100 green fee. On a three-day tournament, that is going to cost you \$300 per player. You are negative \$50, so there is no prize money. You need to get a course where you can get good green fees to keep the prize money," he explained. "China Lake is such a course."

Players West Golf Tour was founded in 1989 to create a new horizon for the ever-increasing number of

SPORTS



KAREN WEISS, one of Players West Tour's top golfers, will likely be among the players at the professional tournament at China Lake March 15-17. Last year, Weiss was the second Players West money winner, just behind Jean Zedlitz, who qualified for the 1993 LPGA tour.

women pursuing the dream of a career in competitive professional golf. Realizing most dreams in life are achieved through a combination of skill, dedication, hard work and the proper training ground, Players West provides a full spectrum experience for the aspiring woman professional, notes Barbara Horne, Players West's tour director.

Last fall, six Players West members earned 1993 LPGA tour cards, including 1992 leading money winner Jean Zedlitz, Dina Ammaccapane, Patty Liscio, Kim Lasken, Cathy Mockett and Suzanne Strudwick.

China Lake's event is the second of Players West's 25-event season, running from March to November.

Schwarzenegger and a blazer patch signifying the specific sport.

There isn't a limit on the number of awards you can work toward or earn, said Schwarzenegger, as long as you meet the specific requirements for each.

It's possible to work on two or three at one time, but one workout cannot be logged for more than one sport. Additional time is allowed to complete the logs as long as the individual averages three or four workouts a week.

"I have made a personal commitment toward earning several presidential sports awards, starting with some of my favorite sports-weight training, running, tennis, skiing and swimming," said Schwarzenegger.

For program information or personal fitness logs, call the Presidential Sports Office at 1-317-872-2900. Or write to: Presidential Sports Award, P.O. Box 68207, Indianapolis, IN 46268-0207.

himself and Jerry Wroust of NAWCWPNS in the past with their NAWC AD counterparts, Denny Distler and Guy Dilworth, he said. "We are coming to the realization that if we can do things together, jointly, we'll be better off."

In the vein of working together, he said he considers RDT&E to be "one word." Haaland said, "We are a team. We are all in this together, and that includes the support side of the house. We are interdependent on each other. We have been able to keep our system in balance because of this team approach and we must continue to adjust the budget to keep the system in balance."

All elements of NAWCWPNS have strengths that didn't exist before the larger organization was formed, according to Haaland. He added, "all sites have a legacy of valuable contributions to defense in the past. We will continue to make valuable contributions, but in a different way that takes advantage of the real strengths the new organization brings."

Innovation is likely to continue as a NAWCWPNS strong point. Haaland said, "as we move into the future we still have an inherently innovative approach to developing practical and economical solutions to problems. We need to continue this approach as a closely knit military-civilian team."

The new deputy commander is concerned about the impact of the continued hiring freeze on the technical world. "If we can't hire junior professionals, the young engineers and scientists, technology changes so rapidly our capability will be very, very quickly degraded and we won't be able to respond to challenge and opportunity in the future," said Haaland. He added, "We are working with NAWC and NAVAIR to obtain waivers from ASN(RDA) to hire S&Es as other retire."

Like all NAWCWPNS employees Haaland is concerned about things outside the control of local com-

mand. "People need to know the BRAC (Base Realignment and Closure Commission) process will make things happen. Some of that may impact NAWCWPNS and some of the impact may be positive, but some may not. We're doing what we can to position ourselves to not just react, but have a planned reaction to events. But, it's likely we will still be surprised," he said.

A current issue is getting our strategic plan in place,

'All sites have a legacy of valuable contributions. We will continue to make valuable contributions, but in a way that takes advantage of the real strengths the new organization brings.'

pointing us toward the future. "The other issue we have to address is the budget. This is the tough one because the budget ultimately relates to people, what we can do, what we cannot do and what we can build," commented Haaland. The budget process for FY94 and FY95 is underway and it will take a great deal of my time and that of other NAWCWPNS managers. It is a critical time for our future. We must keep our labor rates competitive, so we can keep business with our current customers and attract new customers. Outside controls will make it more difficult to accomplish, but we must do it and do it smartly. We cannot all retreat into our little fiefdoms and still survive."

In the same vein, Haaland said employees need to realize we can no longer afford many of the niceties of the 1980s. The hiring freeze has left the system out of balance. Not only does the lack of new JPs impact the organization, there is a clerical shortage, forcing departments to become very flexible in the use of people.

"We have, in NAWCWPNS, as stated by RAdm. W.E. Newman, Commander, a reduction-in-force avoidance policy," said Haaland. "We are doing everything possible to move people around internally, to match people with available jobs and avoid a RIF. Additionally, retirement fairs at Point Mugu and in Ridgecrest have been used to make information on retirement available to those retirement-eligible employees."

"I want to talk a minute about the Naval Aviation Systems TEAM Strategic Plan. As I said, our new Strategic Plan will mesh with the TEAM plan. The TEAM plan has four critical areas, people, jointness, team integration and acquisition management. One way or another, all of these will impact NAWCWPNS and how we do business."

In the wide-ranging interview, Haaland said he was committed to making an effort to get out of the office, visit the sites, talk to people and hear their concerns. To that end, he encourages employees who see something in the system that's not working right and has the potential to have widespread impact to get the word to him or other senior managers. With the consolidation changes, some things haven't worked as well as they did before or as we hoped they would, such as the Division's award and employee recognition process. A new awards instruction is in place and he urges supervisors to get this back on track. "I can't have an open door policy because of constraints on my time. But, I do take time to read QuickMail and E-Mail messages and will look for other ways to learn of needs and concerns."

Haaland outlined a personal mission statement he developed when taking his new job. He said this was a means of keeping the job in perspective.

"My mission is to live with integrity, enjoy life and provide leadership to the NAWCWPNS R&D

Please see next page

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President's Sports Award Program offers physical challenge

Three out of every four people who begin an exercise program quit it within the first year, according to the President's Council on Physical Fitness and Sports.

The keys to a successful exercise program include finding a sport that you like, varying the routine to avoid boredom and setting yourself a realistic goal, said Arnold Schwarzenegger, the council's chairman.

In the military, physical fitness is mandatory. But it's also fun, and you can get recognition for your efforts through the President's Sports Award program. The program, run by the council and the Amateur Athletic Union, features more than 50 sports.

It's easy to enroll in the program. Just decide on the sport, pick up a copy of a personal fitness log, meet the requirements and keep track of them in the log, Schwarzenegger said. You should complete requirements within four months, but exceptions can be made.

The awards program, open to anyone at least 10 years old, is conducted on the honor system. The only requirement is that the personal fitness logs for those between the ages of 10 and 15 be signed by a coach, instructor or parent.

Generally, each sport's requirements are set up so individuals exercise three or four times a week. Take running as an example. To qualify for the award, participants must run at least 200 miles. They must run at least three miles during each outing, at an average of nine minutes or less per mile. However, no more than five miles may be credited toward a day's run. This isn't meant to discourage longer runs, Schwarzenegger explained, but to help establish a steady, long-term exercise program.

The sports award includes a certificate of achievement from the U. S. president, a letter from

HAALAND from Page 9

community. To fulfill this mission I donate my time and resources to my mission. That means, like a lot of other people, a lot of time. I also listen, seek out and get counsel from other people at all levels. I make decisions, and what I do influences the lives of other people, and sometimes that will be very difficult.

"The other thing I do is, I laugh. I use humor to accomplish my mission. Most people know I'm somewhat associated with pigs and I have a lot of fun with that connection. A good sense of humor is required when you make a lot of tough decisions.

"The following roles take priority in achieving my mission. As a husband, my wife is my best friend and is the most important person in my life. As a father, I will provide advice to my four adult children, when asked, and I am a friend to each of their families. As a NAWCWPNS and TEAM leader, I am a catalyst for implementing change in the future and a catalyst for providing quality products for our customers. As a scholar, I learn important new things everyday, and I am in a learning mode. I stay current in technical matters by reading technical journals and by talking with NAWCWPNS technical experts.

"And I use exercise, in the gym and backpacking in the desert and in Montana to keep life in perspective."

A native of Havre, Montana, Haaland says he retains close ties to the state through part ownership of a farm and the summer home he and his wife, LaVonne have in the northwest

part of Montana.

"My wife recently retired from nursing and all our children have completed college and are working, so the time demands are easier to cope with. I wouldn't recommend this job to anyone with pre-teen and teenage children because you just wouldn't have any time to spend with them," said Haaland. In fact, the demands on his time, the absolute crunch on his time has been the biggest surprise since becoming deputy commander for R&D.

Looking ahead, Haaland said he is concerned about the morale of NAWCWPNS employees. "We need to work towards improving it as we move into the future. We need to take advantage of opportunity, whenever one presents itself. Douglas MacArthur once said 'there is no security on this earth; there is only opportunity.' We have taken advantage of opportunity in the past, look at the personnel demo program, the credit card program, Weapon, EW, and aircraft weapon integration development and more. And, we need to keep that in mind as we move forward."

Wrapping the interview up, Haaland talked about the good technical work going on. "We still have lots of exciting work going on in the R&D departments. I commend the people who are in the organization making the good things happen, ignoring the turmoil at the top. I will work hard to allow the NAWCWPNS R&D people to use their talents and resources to deliver quality products to the Department of Defense and the nation."

Black History Month music program set

To round out Black History Month, the Black Interest Group of Naval Air Weapons Station China Lake will present a special musical program at the All Faith Chapel tomorrow night, Feb. 26, beginning at 7. The program will pay tribute to the contribution and achievements of African Americans.

"The Conquerors," from Boron Federal Prison Camp, and Faith Center Ministries choir of Walnut, Calif., will be guest choirs. Diana Jackson, Kacia Evans and Irene Porter of Ridgecrest will perform solos. The Victory Missionary Baptist Church Choir will also perform.

All employees and their families are invited to attend. For additional information, contact Ricky Parks, 939-8128.

Taxis won't budge 'til all belts are fastened

According to Naval Facilities Engineering Command Instruction P300, dated Sept. 1992; Operational Naval Instruction 5100.12; and State of California law, seat belt use is mandatory in all vehicles.

Taxi drivers at the Naval Air Weapons Station China Lake, however, have been experiencing problems with personnel not using their seat belts, noted Dana Hams, head of the Transportation Management Office, Public Works Department. To comply with the above regulations, taxi drivers have been instructed not to move their vehicles until all passengers have their seat belts fastened properly.

Corrections noted on Chapel film series

Members of the congregation of the All Faith Chapel will present "Creating Family, Intimacy, Love and Sex," a five-part film series with Clayton C. Barbeau, on Sundays from 4 to 5:30 p.m. in the East Wing of the All Faith Chapel. Contrary to a previous article, child care will not be available.

The first film will be shown on Feb. 28, not Feb. 27 as previously reported. Films will continue on consecutive Sundays through March 28.

The film series addresses questions of concern by many segments of today's society—men, women and teens, especially senior high teens.

Spedi Speaks

By Charlene Bailey

The corporate hat game is very similar to the shell game where a pea is put under one of several shells which are rapidly manipulated so that the location of the pea becomes difficult to follow.

In the hat game, the pea is replaced by dollars and the shells by which hat we are wearing, i.e. division, department, NAWCWPNS, sponsor, Navy, DoD, U.S. Government (the taxpayer). The heart of the hat game is a term called life cycle cost.

Simply put, this term means "how much does it cost me from my perspective?" In the past, most of us have lived in the fairly insulated perspective of our own world which seldom left the Station. Current national and world events are demanding a reassessment of this philosophy and forcing a much broader definition of "how much does it cost?"

As a point in case, let us look at items that are mandated to be centrally procured from agencies such as the Defense

SPEDI prices may be much lower on some items than central procurement

Logistics Agency or General Services Administration. These activities buy in huge volumes and therefore receive excellent price discounts which they pass on to field activities such as the NAWCWPNS.

From a Station perspective, holding up an item and saying that it only costs 50 or 75 cents from GSA or DLA as opposed to a similar item purchased directly from a Spedi contractor which costs twice as much sounds like a pretty good deal. NOTE: An item has been used where the local cost exceeds the mandatory source cost to more graphically illustrate life cycle cost comparisons.

In many cases, Spedi prices are substantially lower than centrally procured items which only serves to magnify the problem discussed below.

But, if we put on the taxpayer's hat, things change dramatically. First, there are considerable costs incurred by the

mandatory source to originally procure the item. These include the costs of labor to develop, solicit and award the requirement. Then the supplies must be warehoused until field activities order them. Costs here include maintenance of the facilities, utilities and staffing in the form of security, inventory, shipping and management personnel. And finally, shipping costs to the field activities must be paid.

After arrival at NAWCWPNS, the items must again be received, stored and eventually issued, incurring many of the same costs mentioned above. So, from a life cycle cost standpoint, that 50 or 75 cent item is much more expensive than the local price tag.

What Spedi does is eliminate the costly layers that have existed since World War II by dealing directly with the contractor.

The vastly shortened deliveries, in effect, transfer the warehousing function to the contractor, while streamlined payment procedures increase vendors' cash flow creating a "win/win" situation.

The difference between the shell game and the corporate hat game is that in one we bet our personal money and we win or lose, while in the other we are betting the country's future. Can we afford to lose?

Women's History Month celebrated

(Editor's note: The March 11 issue will highlight local activities.)

Celebrating national Women's History Month sets aside a special time each March for schools and communities to recognize and celebrate the lives of countless women of all races, ages, cultures, ethnic traditions and ways of life. Women are honored who have participated in history by living out their lives, whether in ways grandly eloquent or steadfastly ordinary, and by so doing have contributed to our shared history. This year's theme, "Discover A New World: Women's History," invites everyone to discover the world of people and events that has been neglected in the traditional telling of history.

Multicultural women's history tells the story of our nation's past from an expanded perspective. It does not rewrite history; but it does make very different judgments about what is important. Traditionally, history has focused on political, military and economic leaders and events. This approach has virtually excluded women, people of color and the mass of America's ordinary citizens. Women's history approaches the past with a wide-angle lens.

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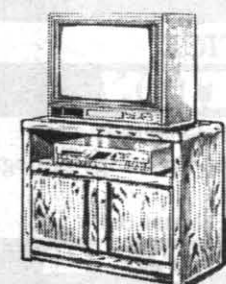
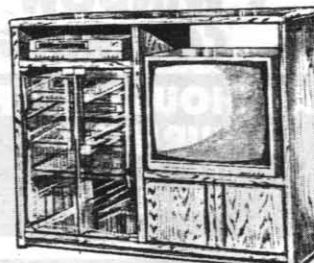
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Safety Sense

By Dena Christison
Safety Office

Hazard reporting — key to improvements

The identification and reporting of unsafe or unhealthful working conditions is the responsibility of all Navy employees, both military and civilian. Since many of these conditions can be eliminated as soon as they are identified, an open channel of communication for reporting is important. Eliminating unsafe or unhealthful working conditions is one way to reduce the number and severity of mishaps we experience here at China Lake.

If you observe an unsafe or unhealthful working condition in your area what can you do? Well, first of all, if it is something that can easily be corrected by yourself safely, do so. Take action to

correct problems before they escalate into something severe or become the cause of a mishap. If there is a problem that cannot be immediately corrected in a safe manner by yourself, report it.

How do you report it? Your first step is to report it directly to your supervisor. We encourage oral reports to your supervisor because often that is all it takes to have a problem easily corrected once it is identified. If you cannot report the unsafe or unhealthful condition to your supervisor, you can also report it directly to the Safety Office at 939-2315 or 939-2314. Just give the Safety Office a call and a safety specialist will come out to investigate. If you choose to have your

report documented in writing, simply fill out the NAWCWPNS CL 5100/26 (Rev. 5-92) "Report of Unsafe and Unhealthful Working Conditions" and forward to the Safety Office (Code C8401). Forms should be available at your workplace.

You do have a right to remain anonymous when reporting unsafe or unhealthful conditions. The Safety Office will protect the identity of anyone wishing to remain anonymous. If you wish to remain anonymous, you can indicate this on the report form.

Reports received by the Safety Office will be investigated promptly and you will receive a written reply to your report within 10 working days from the date the Safety Office receives your report, providing you identify yourself when completing the form or making the report. The written response will include a summary of action taken for abatement of any hazards found or will discuss the basis for the determination that no haz-

ards existed if no hazard is found. If you are dissatisfied with the outcome, you are encouraged to confer with the Safety Office. You do have a right to appeal the report findings if not satisfied with the outcome.

Details on the appeal procedure along with other information on this program are outlined in OPNAVINST 5100.23C or on the NAWCWPNS CL 5100/49 (Rev. 5-92) which should be posted in various areas (such as official bulletin boards or common areas) throughout your workplace.

Your participation in the identification, correction and reporting of unsafe and/or unhealthful working conditions is an integral part of our Occupational Safety and Health Program at China Lake. If you observe an unsafe or unhealthful working condition, take the action necessary to prevent a possible future mishap for yourself or your co-workers.

Environmental management classes may be offered here

West Coast University offers a certificate in Environmental Management. If there is sufficient interest, the program may be available at China Lake. The certificate consists of 15

semester units (five courses) with all of these being applicable to a master's degree for those students possessing a bachelor's degree. Those wishing to pursue a master's degree, however, would have to complete the degree requirements in Los Angeles (on weekends). Students who are pursuing a bachelor's degree in business administration should be able to transfer the 15 units into their programs.

The cost per three semester unit course per student is \$885. A job order number would be required if tuition support is expected. If you are interested in the certificate program described above and want more information, please send in a request with your name, work phone number, work organization (code) and highest level of degree completed (e.g. bachelor's) to Code C622, attention Cecil Webb.

DORS registration set

Human Resources Department at the China Lake site of the Naval Air Warfare Center Weapons Division provides information and registers employees wishing to use the Defense Outplacement Referral System. Registration sessions are scheduled in Room 101 of Human Resources, 505 Blandy, every Tuesday at 2 p.m. Personnel should bring an updated form SF-171 and a copy of their most recent SF-50.

RAdm. Donald Boecker talks safety at theatre

By Kathi Ramont
Public Affairs Staff

Safety and people were the priority areas for RAdm. Donald V. Boecker, Vice Commander, Naval Air Systems Command, when he addressed an all-hands safety meeting at the Naval Air Weapons Station China Lake theatre in early February.

"Safety is a critical area as defined by NAVAIR," he said. The vice commander stressed the importance of being proactive and establishing a command atmosphere emphasizing safety.

"While the Naval Aviation Systems TEAM aviation safety record is good, we could have done better." There were 67 fatalities in 1992, an improvement over 1991's 78 losses. "We lose more planes to our own actions, than are shot down," he said, referring to figures showing losses during the Vietnam conflict and Desert Storm.

The most common causes for safety failures are: lack of leadership, inadequate training and complacency.

Although Navy-Marine Class A aviation mishap rates have come down significantly over the years, from a high of 55 per 100,000 flight hours in 1952 to an all-time low of under five in 1988, Boecker stressed that we need continual leadership emphasis on aircrew training. Aircrews too often concentrate on ground jobs and have low monthly flight time which contributes to accidents. Collateral duties cannot interfere with safety duties if accident rates are to be reduced further.

It is not just the dollar amounts involved, but the loss of life of Navy people. During the period of 1980 through 1992, there were 618 Navy operational fatalities in Navy responsible aviation mishaps. These aviation accidents cost the Navy more than eight billion dollars. This does not include the 499 accidents from ships, subs/diving, motor vehicles and shore activities which cost the government \$927 million dollars during the same time frame.

"A key to continuous improvement in safety is behavioral change, done proactively, with involvement of

employees at all levels," stated Boecker. "Best efforts will not do it." . . . be sure safety responsibilities are known, to hold each person accountable, implement proven success stories, share success and failures and most importantly, communicate.

A goal of the Naval Aviation System TEAM is to continually reduce occupational injuries and minimize compensation payments at NAVAIR headquarters and its field activities through implementation of effective mishap prevention and injury compensation compensation control sub-processes. RAdm. Boecker thanked the China Lake Safety Office's Bill Deem and his staff, with special thanks to Dena Christison, for their efforts in keeping China Lake on the right track.

As vice commander Boecker said he normally sits behind a desk and attends meetings while RAdm. Bowes travels. This time, however, he was enjoying making the western sweep of the Naval Aviation Systems TEAM holding safety meetings here and at Pt. Mugu.

Improvements to make AppleTalk Network more reliable begin

China Lake's AppleTalk Network has quickly grown beyond the capacity of its addressing scheme and must be split into smaller pieces to provide a faster and more reliable network. Over the next 12 to 18 months, routers will be installed in various places around China Lake to accomplish this task. The first large scale application of these devices is scheduled for China Lake's airfield area (within the airfield security fence) Friday, March 5, at 3 p.m.

AppleTalk devices directly connected to the Ethernet in the airfield area using the "Phase II AppleTalk" zone

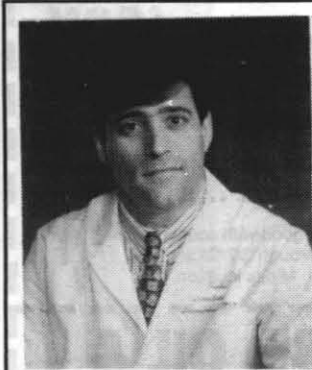
will be changed to a new "CL NAF" zone. For most users of the China Lake Data Network (CLNet), this change simply means some network devices, such as file servers, printers and QuickMail servers, may need to be reselected from the new zone in the chooser.

People who will be affected by this change include anyone at the airfield who uses an Ethernet card in their Macintosh; anyone who uses a file server (AppleShare/VAXShare) or printer connected to the Ethernet at the airfield; anyone who uses a QuickMail server connected to the Ethernet at the airfield; and anyone who

sends QuickMail to personnel at the airfield.

People affected by the change should reselect the services in the chooser, reselect QuickMail mailcenter in the QuickMail log-in window and/or verify address books and groups, or delete them and rebuild their lists following the steps in the Users Manual on pages 3-12 to 3-14 in the blue book or pages 3-9 to 3-12 in the white book.

For more information or detailed procedures, contact Curt Martin at 927-3493 or the Network Management Center at 939-6661.



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Burroughs High School

lunch room, south central part of campus.

For additional information call

446-2186

New Items:

Connor, 3 1/2" SCSI hard drives: 80MB, 19ms
#CP30080E; 170MB, 17ms #CP30170E;
540MB, 12ms #CP3540S
Maxtor, 3 1/2" SCSI hard drives: 120MB, 15ms
#7120S; 200MB, 15ms #7213S; 340MB, 15ms
#LXT-340S

90MB Pro Bernoulli transportable #S0700475

(dual 90 Pro is #S0700474)

90MB Bernoulli cartridge tripak #S0700429

44MB Bernoulli cartridge tripak #S0700377

Kensington Trackball ADB mouse for Mac SE

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RAM: → in stock ←

memory, Mac 1ea 1MB SIMM #1MBX8-80

memory, Mac 4ea 1MB SIMM #1MBX8-70

memory, Mac; this is 16MB = 4ea 4MB

SIMMs #4MBX8-80

memory, Mac 4ea 4MB SIMM #4MBX8/2x-80

memory, IBM 1ea 1MB SIMM #1MBX9-70

memory, IBM 1ea 4MB SIMM #4MBX9-70

(for 16MB, order 4ea of this item)

controller for all Bernoulli drives: Mac ctrl

#S0700337-Mac-1B; IBM ctrl #S0700479

20MB Bernoulli cartridge tripak #S0700378

Farallon Connector 8-pin miniDIN #PN308

250MB IBM internal tape drive #DJ20, 250MB

tape #DC2120

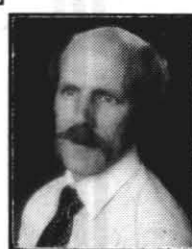
SyQuest 88MB disk cartridge #SQ800 (SyQuest

45MB disk cartridge #SQ400)

Instrumentation recording tape, Ampex

1" x 9200', 14" aluminum precision reel #797-

59GK11



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ANNOUNCING: NWC Community Federal Credit Union's Annual Membership Meeting

Date: March 10th, 1993

Time: 8:00 PM

Place: Corporate Office

701 S. China Lake Blvd. Ridgecrest CA 93555

All members invited. Refreshments served.

Energy Conservation Office presents awards

Energy conservation is important not only for adults, but for children as well. To help the children learn how to save energy, the Energy Conservation Office at the Naval Air Weapons Station China Lake sponsors an annual "Offalot Says" slogan contest for fourth through sixth grade students of the Sierra Sands School District. This year's slogan winners were presented plaques and a solar education kit by Capt. J.R. Williams, China Lake's Public Works Officer, in a special ceremony.



WINNERS include (l to r) Janiece May, Vieweg School; Alicia Gibb, Gateway School; Kelly LaGore, Pierce School; Emily Lundwall, Groves School; and Drinnan Thornton, Inyokern School. Not pictured are slogan winners Briahlen Hand, Richmond School; and Kimberly Smith, Faller School.

NAWCWPNS holding DAWIA briefings for impacted employees

Introductory information briefings on the Defense Acquisition Workforce Improvement Act have begun at the China Lake site of the Naval Air Warfare Center Weapons Division and will continue through March 11.

Letters notifying personnel of their involvement in this program have been sent out to employees identified as occupying acquisition positions. The schedule below lists the remaining briefings, which are approximately two hours in length. All briefings are scheduled to be held in Room 1000D of Michelson Laboratory.

Employees are asked to attend the briefings that their last name falls under; however, if this isn't possible, employees may attend any briefing.

DAWI Act Briefing Schedule

Feb. 25, 8 a.m., Gentry-Haywood
Feb. 25, 1 p.m., Heaser-Johnson
March 4, 8 a.m., Jones-Lee
March 4, 1 p.m., Lelis-McKittrick
March 9, 8 a.m., McKnight-Nutter
March 9, 1 p.m., O'Baker-Richter
March 10, 8 a.m., Rickets-Shaffer
March 10, 1 p.m., Shah-Terheun
March 11, 8 a.m., Terry-Watt
March 11, 1 p.m., Wearner-Zurn

Two walk away from plane crash

Two people aboard a China Lake Flying Club single-engine aircraft walked away from a forced landing late Monday afternoon south of Ridgecrest near Red Mountain.

Dennis Johnson, a Navy lieutenant assigned to the Naval Air Warfare Center Weapons Division, was piloting the Piper Comanche when they lost power in the engine. After making a forced landing, Johnson, and his passenger, Richard Muse walked out and telephoned the Naval Air Weapons Station for help. Neither man required hospitalization.

NAWC News

Smart processing for smart skins

Indianapolis, IN—NAWC AD Indianapolis received a hand from NAWCWPNS China Lake on an effort to improve signal processing in "smart" aircraft skins and other structures embedded with optical fibers. China Lake's Polymer Science Branch provided the Indianapolis Design Specialties and Product Technologies groups with a special electro optic polymer to apply in the development of a revolutionary fiber optic coupler.

A team of NAWC AD Indianapolis scientists and engineers will complete the development, testing and implementation of the coupler, which will have the capability of changing the direction of light electronically at rates ten times faster than those now in use.

New traversing system saves Navy money

Lakehurst, NJ—A NAWC AD Lakehurst team of engineers has achieved a naval aviation first. The engineers designed and developed an SH-60B Seahawk helicopter traversing system for ships, specifically the FFG-7 frigates, not equipped with the Recover, Assist, Secure, Traverse (RAST) landing system.

According to Michael Zitaglio, Systems Requirements, the new system, was initiated because refitting 21 Perry Class frigates with RAST would cause extensive and expensive ship modifications, which the U.S. Navy could no longer afford.

Navy Lakehurst employees give generously

Lakehurst, NJ—Employees at Navy Lakehurst were more than generous in their contributions to charity in 1992. Total contributions amounted to \$115,750.66. Combined Federal Campaign donations from the base amounted to \$83,950.66 despite downsizing, with few numbers of employees available to contribute.

Simon wins NAWC society's top award

Warminster, PA—In a Jan. 23 ceremony at the Naval Air Warfare Center Aircraft Division Warminster, the Naval Civilian Managers' Association awarded Stuart B. Simon, Director of Corporate Planning, the association's 17th Annual Ralph S. Barnaby Award for his technical and administrative management contributions to corporate planning. Simon was honored for his superb support of three Base Realignment and Closure studios and his insights of Congressional and Department of Defense environments.

Oil Tests Result in Savings

Trenton, NJ—The Fluid Sciences Division of the Naval Air Warfare Center Aircraft Division, Trenton was tasked to conduct a long term study of oil quality for extended oil change intervals in the SH60-B main transmission. The lubricant under investigation was DOD-L-85734(AS). At the conclusion of the study, it was determined the oil change interval for the SH60-B main transmission could be extended to 900 hours, twice the normal time. Doubling the oil change interval resulted in a savings of approximately three man-hours and \$400 per aircraft per nine-hundred hours.

NAWC Strategic Planning Meeting held at NTSC

Orlando, FL—Members of the NAWC Executive Board, senior leaders and technical and functional experts from NAWC installations met at the Naval Training Systems Center in January to formulate a 1994 corporate business plan that will implement the Naval Aviation Systems Team Strategic Plan strategies.

The NAWC plan, to be published in May, will incorporate the team integration, people, acquisition management, and jointness strategies, NAWC Headquarters and Divisions will develop objectives for NAWC organizations which will initiate activities to support the plan's common goals.

Hazardous minimization officer gets medal

Point Mugu, CA—Capt. Paul J. Valovich, commanding officer, Naval Air Weapons Station, presented a Meritorious Service Medal in January to LCdr. Edward Payne, assistant aircraft maintenance and hazardous minimization officer at Point Mugu. He received the medal for implementing a hazardous material program that resulted in a 49% reduction of procurement costs and a 73% reduction of waste. This highly successful program was provided to one-hundred twenty three commands of the armed forces and was selected for trial implementation Navy-wide for adoption by the commanders-in-chief of the Navy Air Systems Command.

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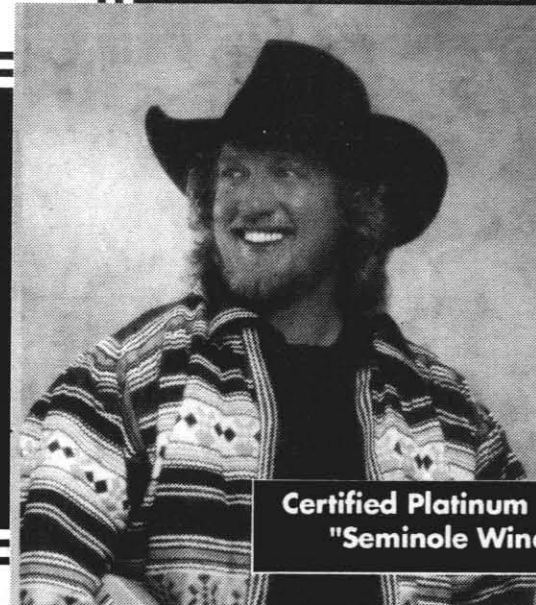
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Sponsored by The Graffiti Weekend Committee of The Ridgecrest Chamber
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FOR MORE INFORMATION CALL:

The Ridgecrest Visitor's Center at 1 - 800 - VISIT - 30
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China Lakers 'give the gift of hope' during the 1992 Combined Federal Campaign

Volunteer efforts lead to successful campaign, raising \$343,894 for those in need

By Peggy Shoaf
Staff Writer

More than 2,300 employees gave "the gift of hope" during the Naval Air Weapons Station China Lake 1992 Combined Federal Campaign, out of which 160 donated the equivalent of an hour's pay or more each pay period. A total of \$343,894 was raised.

Despite the fact the Station didn't reach its goal of \$350,000, Bob Huey noted the campaign was still a success, "because the main goal was to contact 100 percent of the federal employees, and I think we made a pretty good effort to this end. In addition, we reached our goal of raising the participation rate," the event coordinator said.

"This campaign's participation rate of 36 percent is three percent higher than the 1991 campaign," Huey said. "There was also an increase of \$52,771 donated."

Fifty-two percent of the money raised went to local agencies: \$124,000 going to United Way agencies, \$31,000 to unaffiliated agencies, \$6,500 to Earth Share agencies and \$15,900 as undesignated, Huey noted.

Forty-two percent of the designated money went to national/international agencies, while the remaining six percent was undesignated.

The majority of contributors, 78 percent, used the payroll deduction plan, which accounted for 93 percent of the money raised, while 22 percent made a one-time cash donation.

Military personnel had a participation rate of 48 percent.

Civilian participation was 35 percent.

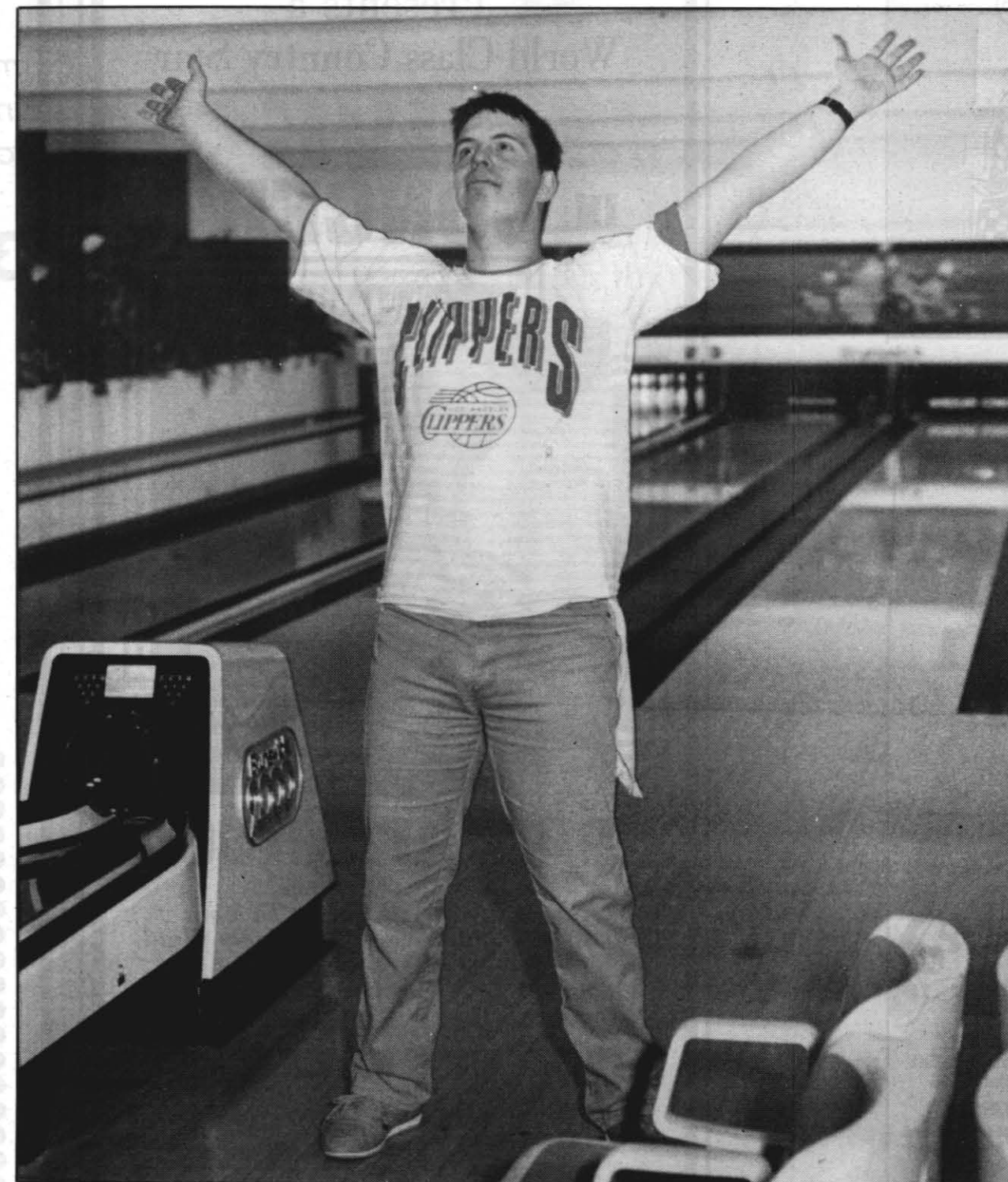
Huey noted the factors leading to the success of the campaign were many. The volunteer efforts of the 298 department coordinators and keyworkers, made up of military and civilian personnel, played an important part in reaching all of the employees at China Lake, he said. In addition, the support and leadership from RAdm. William E. Newman, Capt. Douglas W. Cook, Capt. B.J. Craig and the directorate and department heads were invaluable.

Other factors Huey said contributed to the success of the campaign included the hard work of the Local Federal Coordinating Committee, led by himself, Fran Rugg, Lt. Fred Butler, Jean Johanboeke, Mary Cozzucoli, Glen Griffith (from the United States Post Office in Ridgecrest) and Russ Miles (from the local Bureau of Land Management federal office).

Huey also extends his thanks to the directorates' loaned executives, Kathryn Jenkins and Dave Eiband, and to Bruce Simolon and the Technical Information Department staff who produced the local CFC video.

But most of all, Huey said, he thanks the China Lake employees who willingly gave "the gift of hope."

Photos by
Terry Pascarella



SUCCESS! Scott Moulton, a participant in the Recreational Environment Social Program sponsored by the United Way of Indian Wells Valley, accepts adulation from participants for his bowling during one of the program's weekly outings. The outings allow the mentally handicapped to mainstream into the community. These types of events are made possible by CFC funding. Moulton's success, and the resulting positive self-esteem, is what CFC is all about, said Fran Rugg, an LFCC member. This is just one of the CFC benefits the 298 department keyworkers worked for during the 1992 campaign. Above, keyworkers gather for a working luncheon at outset of campaign.

Commander extends special 'thank-yous'

Bob Huey, event coordinator

Months of effort for the 1992 Combined Federal Campaign at the China Lake site of the Naval Air Warfare

Center Weapons Division are now over. RAdm. William E. Newman, NAWCWPNS Commander, credits a lot of the campaign's success to its coordinator, Bob Huey.



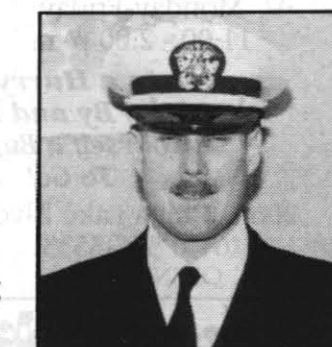
"In a year of economic recession, when expectations for a vigorous campaign were dim, you put such organization and innovative ideas into place that our goals... were all met, and over \$340,000 was raised for those in need," the Commander said in a letter of appreciation.

RAdm. Newman noted the effectiveness of the campaign was "undoubtedly increased" by use of loaned executives and communication with the key workers.

"Your exceptional facilitating skills brought together a diverse group of volunteers and provided them the opportunity to share ideas and have a sense of ownership in the success of the overall campaign," the letter continued.

Lt. Fred Butler, military liaison

During quarters early this month, Lt. Fred Butler was singled out for his efforts in making the 1992 Combined Federal Campaign a success. Bob Huey presented him with a letter of appreciation signed by RAdm. Newman.



"I would like to extend my personal 'thank you' for your contribution to an outstanding Indian Wells Valley Combined Federal Campaign for 1992," the NAWCWPNS commander wrote. "As the first military liaison member assigned to the Local Federal Coordinating Committee, you stepped in with a willingness to 'learn the ropes' and work with the other members of the group to define this new role and bring a stronger military effort to the campaign. Your energy and enthusiasm far exceeded the expectations of the committee, and you have set a model for others to follow in future campaigns."

The China Lake military community had a 48 percent participation rate in this year's campaign.

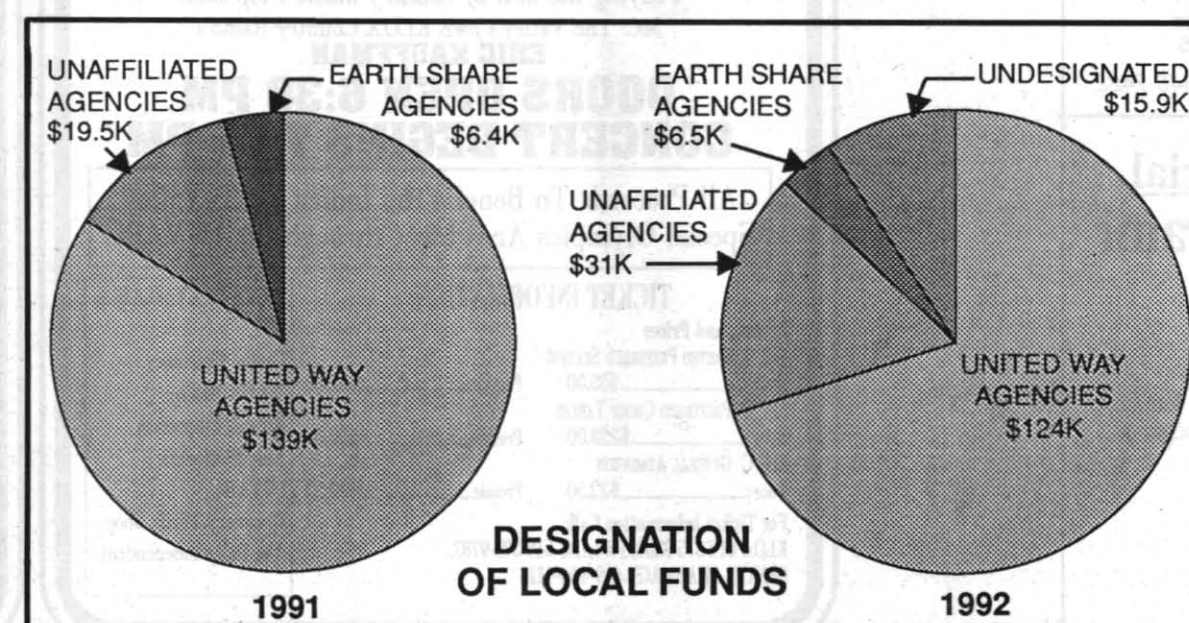


Chart by the T.I.D. Design and Illustration Branch

traits of the negotiator, planning the negotiation, and techniques, tactics, strategy and countermeasures.

Deadline: 1 April.
Enrollments are on a call-in basis. To enroll, call Denise at 939-2648.

QOL PARTNERSHIPS: THE CUSTOMER-SUPPLIER RELATIONSHIP (8 hrs.)

1 March; Monday, 0800-1600; Training Center. By: Steve Tuszynski

How can an activity truly achieve its objectives of increased performance, higher quality, reduced cost, and shorter lead times without considering its suppliers? Simply put, it can not. Supplier performance is a major input into the overall quality of the producer.

This workshop discusses up-to-the-minute developments in customer-supplier relationships, both internal and external; recommends a set of over 50 strategies to achieve world-class customer-supplier performance; and outlines several implementation alternatives.

Topics include using team approach, creating a supplier council, conducting supplier-focused conferences, defining quality system requirements, benchmarking suppliers, documenting costs of poor quality, utilizing practical uses for electronic communication, developing preventative quality plans, requiring supplier feed-forward, and performing an annual partnership evaluation.

Note: Enrollments are on a call-in basis only. To enroll or ask questions, call 939-2686.

WORK PROCESS ANALYSIS (formerly called Object Flow Analysis of The Work Process) (8 hrs.)

1 March; Monday, 0800-1600; Training Center. By: Dale Christensen, C2108

Intended Audience: The practitioner of work process modeling: Engineers, Managers, Office Administrators, or anyone who is required to describe and improve his/her work process.

The course will provide an alternative to those having difficulty describing the work process using the Tribus Deployment Flow Chart. The participants will learn

- The reasons for describing a work process
- The features of a work process that lead to process improvement
- Description of a work process using Object Flow Diagrams

• Use of an Object Flow Analysis to improve the work process

Note: Enrollments are on a call-in basis only. To enroll or ask questions, call 939-2686.

INFORMAL FACILITATION (8 hrs.) NOTE: THIS CLASS HAS BEEN CANCELLED

5 March; Friday, 0800-1600; Training Center. By: Bob Huey.

REQUISITIONER'S WORKSHOP (Formerly called Small Purchase Acquisition Process) (8 hrs.)

5 March; Friday, 0730-1700; Training Center. By: Linda Watkins, C6502

This is a "how to" workshop designed to familiarize Center personnel with the small purchase procurement process. Topics include preparation of 9-part stubs, purchase descriptions, commercial versus system orders, stub flow, lead times, GSA orders, and other information to assist and enlighten the "end user." This class will also include an overview of SPEDL.

Note: Enrollments are on a call-in basis only. To enroll or ask questions, call 939-2686.

ACQUISITION REQUIREMENTS PACKAGE (ARP) TEAM TRAINING (4 hrs.)

19 March; Friday, 0730-1130; Training Center. By: Center Staff

Intended Audience: Management, technical, procurement, and/or support personnel involved in initiating large (greater than \$25K) procurements.

During this 4-hour workshop, participants will learn about a new process for building an Acquisition Requirements Package (ARP) for a large procurement at NAWCWPNS. The process entails the use of an ARP Team. Training modules include (1) developing an effective team, (2) understanding the sequence of steps required in the construction of a variety of ARPs, and (3) becoming familiar with two useful locally developed references—the ARP Cookbook and the Problems-Resources Matrix. An ARP Team that has tried the new process will talk about their experience. Completion of a 15-minute pre-workshop assignment is required.

Note: Enrollments are on a call-in basis only. To enroll or ask questions, call 939-2686.

WRITING STATEMENTS OF WORK (8 hrs.)

16 April; Friday, 0800-1600; Training Center. By: Mona Bonbright, C655

Intended Audience: Employees responsible for initiating a contract or delivery order.

Course Objective: To give the student practical and current guidance in writing Statements of Work (SOWs) for pending contracts or delivery orders.

The student will be given the latest government and NAWC guidelines for writing a SOW. This course will help you to build your SOW writing skills through

low-risk in-class exercises. Also, you will receive a current list of people in the Procurement Department who can help you prepare your SOW and provide you with the other documents that comprise the Acquisition Requirements Package (ARP). Information will also be provided on the advantages of using the newly developed ARP Team process.

Note: Enrollments are on a call-in basis only. To enroll, call 939-2686. To ask questions, call Mona Bonbright at 939-4281.

MARCH CLASSES AT PT. MUGU

	March
Basic Telemetry & Communications Systems	1-4
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POC: Dorothy M. Wiederhold, C622, 939-2359

MERIT PROMOTION

No. 63-005, Telephone Operator, DG-382-1/2, Code C6314

—This position is located in the Telecommunications Branch, Code C6314. The incumbent will be using a Northern Telecom Digital Attendant Console to answer all calls coming into the switchboard. Using the on-line directory and any hard copy information available, the incumbent will provide information including telephone numbers, extensions, and locations of individuals and organizations and will make all effort to connect a caller with someone who can help him/her. The incumbent will assist persons unable to get an outside telephone line; advise callers on how to place long-distance calls and occasionally place local or long-distance calls; provide assistance in setting up conference calls; and extend overseas DSN calls to the appropriate overseas operator. The incumbent will help users with trouble calls or call trouble service requests to CASI or C6314 for resolution. Other tasks include proofreading telephone directory information and assisting with related clerical functions to help fellow branch personnel as assigned by the Branch Head during slack periods. Other requirements are maintenance of a pleasant and helpful rapport with callers and confidentiality of calls placed through the board or coming into the board.

Physical Requirements: Required to sit for long periods with two 15-minute breaks and a lunch break. Reaching and stretching for manuals and directories for information. Use of keyboard for information searching. **Job-Relevant Criteria:** The ability to communicate orally; the ability to work effectively under pressure with all levels of personnel; and the ability to use a typewriter-style keyboard. This ad opens on 25 February and closes on 4 March.



Naval Air Warfare Center Weapons Division Naval Air Weapons Station, China Lake Announcements

Submit items to Barry McDonald, Code C08033, FAX 939-2796 by close of business Wednesday the week before publication



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
January	0.86%	1.88%	0.58%
Last 12 Months	10.72%	10.71%	7.24%
C Fund—Common Stock Index (Stocks)			
F Fund—Fixed Income Index (Bonds)			
G Fund—Government Securities			

WACOM LUNCHEON MEETING

The March WACOM luncheon meeting and annual fashion show will be held at the Seafarer Club on Tuesday, 9 March with a social period at 1100 and lunch at 1130 followed by the fashion show. This year's fashion show theme is "The Mystique of Desert Casual." Fashions from California Kids, Dodie's Fashions and Bridal, McNeil's Fashions, Terry's Womens Apparel, WACOM Thrift Shop, and Carol Wilcher's attire will be featured. Following the fashion show L. L. & Company will provide entertainment. Members may make reservations by calling Eleanor Rockdale at 446-6925. (C86)

POINT MUGU FINANCIAL REPORTS CLASS AND INFORMATION

Due to overwhelming demand, two classes on the Point Mugu Financial Reports have been added. The additional classes will be held 10 and 17 March at the Training Center beginning at 0800. Following lunch, the classes will move to Building 33 for demonstrations of on-line access to financial data. Class will resume at the Training Center to cover the remaining material following the demonstrations.

Procedures are now in place for those who wish to obtain hard-copy financial reports, access financial information on-line, or download a financial transaction data file. These procedures will be discussed during the Point Mugu Financial Reports class.

If you are interested in attending the Point Mugu Financial Reports class, contact Kathryn Jenkins at 939-3622.

A Services and Information Directorate team has put together a document offering side-by-side comparisons of Point Mugu and China Lake financial data, as the data appears in financial management reports. The "NAWCWPNS Financial System Data Mapping" document will be sent to all students of the Point Mugu Financial Reports class as required reading material. If you would like a copy of the data mapping document without attending the class, call Debbie Campbell at 939-3787. (Code C6103)

JUNCTION RANCH RADAR CROSS SECTION MEASUREMENT FACILITY

On 3 March, from 0900 to 1100, in Mich Lab, Room 1000D, the Radar Cross Section Range Office, Code C3206, will present an unclassified briefing for all government and contractor personnel. The presentation will provide attendees with a general introduction of Junction Ranch and introduce the new radar capabilities of the Radar Cross Section Measurement Facility. This briefing is designed for project engineers and program managers, but will be delivered with the general audience in mind. Topics to be covered will be Signature Measurement Capabilities,

Available Data Products, and Range Cost. If there is an interest and time available, a question-and-answering period will be conducted. (C3206)

CONTRACTING SEMINAR OPEN TO ALL

Do you ever feel the need to know more about contracting issues? Do words such as "Cost Accounting Standards," "Audit," and "Finance" give you chills? Well, the National Contract Management Association (NCMA) is sponsoring a 1-day training opportunity titled *Financial Issues for the Contracts Professional* on 4 March at San Fernando, Calif. Some of the topics are Contract Types, Contract Payment Implications, Accounting, Estimating Systems, Cost Accounting Standards, Cash Flow, Auditing Techniques, Funding Contracts, Profit, Payments, Cost Disallowances, and more—59 topics in all. A workbook, reference book, and luncheon are included in the price of \$195 (\$175 for NCMA members). Save \$50 by paying your registration 10 days before the date of the seminar.

To register, call Marci Crabtree at 446-9073 after 1800 or Bruce Emerson at 499-5970, or any NCMA member. Car pooling options are available. (C616)

GRADING TO ABAQUS VERSION 5 SEMINAR

A 1-1/2 day seminar on upgrading to ABAQUS Version 5 will be held on Wednesday, 3 March from 0800-1600 and Thursday, 4 March from 0800-1130 in Mich Lab, Room 1000A. The seminar will be presented by Dr. Paul Sorensen (Hibbitt, Karlsson & Sorensen, Inc).

ABAQUS Version 5 represents a major advance in the capabilities of the ABAQUS program. The objective of this seminar is to introduce the new features in Version 5 and to identify the primary differences between ABAQUS Version 4.9 and 5. The seminar is recommended for analysts familiar with ABAQUS.

To enroll in this course submit Training Request Form (NAVWPNCEN 12410/73) via department channels to Code C62201 no later than 1 March.

For further information or for an agenda, contact Jim Serpanos, Code C6322 at 939-2619. (C62201)

MOTOROLA BRIEFING

Motorola representatives will be at China Lake on Thursday, 4 March, to discuss their statistical design methodology as the key to six sigma yield and low-cost Microwave/Millimeter Wave Monolithic Integrated Circuits (MIMICs). The presentation will be held in Mich Lab, Room B/C, at 1300.

The design and processing gallium arsenide MIMIC to date has not sufficiently addressed critical parameter design for greater yield improvements, better circuit performance, and efficiency with the ultimate goal of producing low-cost devices. By critical parameter design, we mean those significant vital few parameters that affect system requirements or specifications and have the most effect on establishing a cost-effective MIMIC production process.

Motorola's "Statistical Design Methodology" (SDM) is a proven approach for designing MIMIC subsystems that provides

the design engineer with tools, statistical models, and up-front knowledge about the vital few critical parameters that make MIMIC designs producible. This knowledge results in robust MIMIC circuits that meet their electrical requirements, work the first time, have high water yields, and result in substantially lower production costs.

Motorola's SDM does not duplicate CAD tools, but rather combines their capabilities with those of statistically based MIMIC design approach that produces robust and economical designs.

For further information contact Gerry Peterson or Chuck Newmyer at 939-1074. (C0254)

SWEDISH RADAR PRESENTATION

The RADAR designer, Dr. Hans Hellsten, and his U.S. representative, Peter Muhrad, will present the CARABAS radar system on Friday, 5 March in Mich Lab, Management Center from 1300 to 1430.

This radar system is a high-resolution device operating in the high frequency band to penetrate both foliage and the ground. This radar is unique in that it uses an ultra-wide bandwidth transmission to achieve diffraction-limited resolution. It was featured in an article in the 18 January edition of *Aviation Week*.

The agenda will include theory of operation, current flight test configuration and program, test data and its interpretation, as well as possible applications of the device. The briefing will be at the UNCLASSIFIED level and all are welcome. The briefing will be followed by a question-and-answer session. For information about the briefing contact Monte Frisbee at 939-4511. (024510)

AIR WEAPONRY TECHNOLOGY BLOCK PLANNING FY94 CALL FOR PROPOSALS/TOPICS (6.2 PROGRAM)

Planning for the FY94 Air Weaponry Technology Block (AC1A) program is currently under way. The AC1A program is concerned with exploratory development (6.2 RDT&E funding), and contrasted to IED programs, may include larger scale proof-of-concept, mission-focused types of topics. The products may consist of tools and models to support design analysis and performance definition, testbeds to evaluate design approaches, components that will enable system or subsystem performance, or advanced concepts in order to define technology objectives

RETIREMENT

WILLIAM R. MADDUX

William (Bill) Maddux (C2825) will be retiring after 33 years of service at China Lake. A farewell party will be held in his honor at the Carriage Inn on Friday, 2 April at 1800. A Polynesian buffet dinner will be served, which will include soup, Waldorf salad, cashew chicken, beef and broccoli, baked mahi mahi, fried rice, vegetables, crispy noodles, and choice of beverage. The cost will be \$12 per person, including gratuity. For tickets, presentations, or gift donations, contact Deena Nelson at 939-0473 or Joanie McGregor at 939-3937 by 29 March.

JOSEPH J. SHAFFER

Joe Shaffer (C02318) retired on 19 February after 22 years of Federal service. A farewell luncheon will be held in his honor at Farris' at the Heritage on Friday, 5 March at 1115. The cost of the buffet luncheon is \$8.50 per person. For reservations, presentations, or gift donations contact Bev Reymore at 939-3855 or Michele Lindsay at 939-2470 by 3 March.

PERSONNEL NEWS

PROMOTIONAL OPPORTUNITIES

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

Eligible spouses, of military sponsors, with competitive employment status or eligibility under E.O. 12362, must register in the DOD Priority Placement Program to be eligible for spousal preference. Those enrolled in this program will automatically receive consideration for employment on vacancies for which they qualified. For initial employment information, career counseling and enrollment, call 939-3317 for an appointment.

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

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

NOTICE REGARDING DRUG TESTING DESIGNATED POSITIONS

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

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 NAVWPNCEN Form 12630/16 (Request to Donate Annual Leave to Leave Recipient). This form is available at Shop Store (Tel-Mart). A copy of your leave and earning statement is NOT required. Send your form to Code C621. For additional information please call Cindy Smith at 939-2018.

Terry Burke, Secretary, Code C3933.

Terry underwent major surgery, is recovering, and will be returning to work. She is indebted for leave.

Eleanor (Ellie) Semore, Purchasing Agent, Code C652.

Ellie is suffering from an acute onset of congestive heart failure complicated by a bronchial infection and diabetes.

Barbara Herbstreit, Math Technician, Code C2818.

Barbara is indebted for leave due to lumbar radiculopathy surgery.

Brenda Kirkpatrick, Medical Transcriber, Branch Medical Clinic (Long Beach).

Brenda's daughter was in a car accident and severely injured her foot and requires surgery and rehabilitation.

Diane Richardson, Program Analyst, Code C2708.

Diane underwent foot surgery and is home recovering. She is indebted for leave.

Alvina S. Quintanilla, Contract Specialist, Code C654.

Alvina is undergoing daily radiation therapy for inoperable cancer of the naso-pharynx.

Deborah A. Birch, Secretary, Code C392A.

Deborah received treatment for breast cancer and is indebted for leave.

Mary Ann Hiser, Engineering Data Management Specialist, Code C2556.

Mary Ann was hospitalized with pneumonia and bronchial asthma.

SECURITY CLASSES

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

9 March; Tuesday, 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 on computer security and COMSEC will be held.

This class is on a call-in basis only. To enroll call 939-2216.

SECURITY OVERVIEW (4 hrs.)

17 March; Wednesday, 0730-1130; Training Center. By: Linda Hall, C84301

This course is designed to provide employees with a brief security overview of information security, personnel security, operations security, computer security, and security education. The class will include short films on safeguarding and marking of classified information and the foreign intelligence threat.

This class is on a call-in basis only. To enroll call 939-2216.

INDUSTRIAL SECURITY FOR NAVY PROFESSIONALS (7 hrs.)

24 March; Wednesday, 0800-1600; Training Center. By: Linda Hall, C84301

Intended Audience: Acquisition personnel (Contract Specialists, Contracting Officers), Contracting Officer's Technical Representatives (COTRs), Contracting Technical Monitors, and other personnel involved in the implementation of classified contracts.

This class will discuss the Industrial Security Program, responsibilities of COTRs and acquisition personnel, Contract Security Classification Specification (DD254), foreign participation, and unclassified contracts. This class is on a call-in basis only. To enroll call 939-2216.

SECURITY FOR COMPUTER USERS (4 hrs.)

8 April; Thursday, 0730-1130; Training Center. By: Information Systems Security Office

Intended Audience: Employees who have completed a general security class and require additional computer information. Topics covered include data security, network security, TEMPEST, viruses, and computer issues specific to China Lake users.

This class is on a call-in basis only. To enroll call 939-2216.

- Indexes, custom menus.
- Advanced formatting.
- Tips, keyboard shortcuts.

Presentation Method: Hands-On Workshop

This class is on a call-in basis only; to enroll call 939-0870.

MAC COMPETENCY WEEK/INTRO TO MACINTOS (40 hrs.)

29 March-2 April; Monday-Friday, 0800-1600; Training Center. By: Human Interface Training

This 5-day hands-on, self-paced crash course is good for those new the Mac or those who need to become competent fast! Class includes an introduction to Macintosh computing, Word 5.0, PowerPoint, Filemaker Pro, and Excel 4.0.

Presentation Method: Hands-On Workshop

This class is on a call-in basis only, to enroll call 939-0870.

ADA PROGRAMMING, INTERMEDIATE (40 hrs.)

15-19 March; Monday-Friday, 0800-1600; Training Center. By: John Francis, C2872

Prerequisite: The student must have a basic understanding of Ada programming syntax. This course is not for the first-time programmers.

This course provides training related to programming Ada "In-The-Large." The topics include a short review of Ada syntax followed by lectures and lab assignments in arrays, pointers (access types), data abstraction, Ada packages, generics as Ada "classes," and concurrent process programming using Ada tasking.

Software engineering principles of object-based/oriented design such as classes, derived classes and inheritance, overloading and polymorphism, exception handling, and templates will be discussed as related to Ada.

There will be class projects and assignments. Some light outside work will be required. The lab projects are designed to be solved by a small working group.

Presentation Method: Hands-On Workshop

Deadline: 1 March.

AUTOCAD 3D & AUTOLISP (40 hrs.)

29 March-2 April; Monday-Friday, 0800-1600; Training Center. By: Hit Return, Inc.

Prerequisite: Basic knowledge of AutoCAD 2D & DOS

This course will present concepts of AutoCAD's 3D features and the basics of AutoLISP. Students will learn the difference between Surface Modeling and Solid Modeling, moving AutoCAD's camera and how to develop a LISP program. The concept of DataBase Exchange Format will be discussed, along with the use of "point filters" when locating objects in 3D space.

Presentation Method: Hands-On Workshop

Deadline: 15 March.

INCOME TAX PLANNING (2 hrs.)

17 March; Wednesday, 1700-1900; Training Center. By: Charles Green, Consultant

This course will focus on tax planning strategies for employees. Taxable, tax-deferred, and tax-free investments will be discussed with an emphasis on the Thrift Savings Plan and IRAs. Tax reduction methods, tax tips, and recent tax law changes will also be addressed. Time will be provided for questions.

Presentation Method: Lecture

Enrollments are on a walk-in basis only. The first 30 people to arrive will be enrolled. Do not plan on saving seats for spouses or friends. Point of contact is the Wellness Program Office, 939-2468.

STEP - PARENTING TEENAGERS PROGRAM (15 hrs.)

11 March-13 May; Thursdays, 1130-1300; Bldg. 457 (on Blandly). By: Ann Bestrup & Debra Oliver

This Systematic Training for Effective Parenting of Teens (STEP) is a program for parents who want to help their teenagers to learn responsible behavior in the face of today's social pressures. It is also for the parent who wants his or her relationship with a teenager to be more satisfying and enjoyable. STEP encourages mutual respect by focusing on cooperation, effective communication, and a more responsible, self-reliant attitude. Meeting with other parents over the course of 10 weeks in an atmosphere of mutual support, parents learn effective ways of building self-esteem, communicating, and disciplining.

To enroll in the class, call the Wellness Program Office, 939-2468. Books will be available for \$10.

**STRESS MANAGEMENT (8 hrs.)**

11 March; Thursday, 0800-1600; Training Center. By: Suzanne Hard, Consultant

If your reaction to stress is feeling overloaded and underaccomplished, you may want to learn more about what you can do to reduce this stress. This course is designed to help you manage your stress and to learn new tactics to deal with it. In this class you will learn to:

- Deal with constantly changing priorities
- Deal with stress when you are doing the job of three
- Turn negative stress and tension into peak performance

- Focus on top priorities and make important decisions first
- Attain a personal and work balance in your life

The focus will be on interactive, experiential learning with time for analysis, feedback, and development of action plans for individual participants.

To enroll, send an On-Center Training Request to Code C62206. Point of Contact is the Wellness Program Office, 939-2468.

DEALING WITH DEPRESSION (2 hrs.)

16 March; Tuesday, 0900-1100; Training Center. By: Katy Mechtenberg, Desert Counseling Clinic

Participants in this class will:

- Be knowledgeable of the symptoms of depression
- Be aware of options to cope with depression
- Be skilled in using personal tools to move toward resolution of the depressive experience

Learn to interact with people in the workplace who appear depressed in a sensitive, constructive context

Enrollments are on a walk-in basis only. Point of contact is the Wellness Program Office, 939-2468.

LIFESTYLE CONTROL OF CHOLESTEROL (8 hrs.)

2 April; Friday, 0800-1600; Training Center. By: Dr. Wes Youngberg, Consultant

This seminar will help you understand cholesterol's role in your body and will provide information that will help you keep your cholesterol at a desirable level. This seminar addresses past, present, and ongoing research, especially regarding the issue of reversibility of heart disease once it is established. The latest research concerning cholesterol will be presented, and Dr. Youngberg will discuss interesting patient cases with an emphasis on the ultimate therapeutic solutions. Each attendee will have the opportunity to ask theoretical and therapeutic questions. Multiple handouts will provide a summary of seminar information.

Presentation Method: Lecture

Deadline: 29 March

To enroll in this course, call the Wellness Program Office, 939-2468.

BOOSTING YOUR IMMUNE SYSTEM: HOW TO OPTIMIZE YOUR BODY'S NATURAL DEFENSES AGAINST CANCER AND OTHER ILLNESS (8 hrs.)

2 April; Friday, 0800-1600; NAWS Conference Center. By: Dr. Wes Youngberg, Consultant

This seminar will help you:

- Regain control of your own health
- Reverse harmful risk factors practically
- Start a therapeutic diet that makes you feel good
- Begin an exercise program that will not wear

Unless otherwise noted, enroll in the following classes by submitting NAVWPNCEN 12410/73 (Rev. 12-88).

Request for On-Center Training, via department

you out

- Naturally recapture your vigor
- Activate simple but effective stress management techniques

Incorporate principles of psycho-neuro-immunology (mind-body relationship) in dealing with illness

- Balance your life for optimal health
- The major cancers will be addressed from three perspectives: cause, risk factors, and preventive measures. The goal of this seminar is for each participant to grow in his/her particular area of interest. Time for a question-and-answer period will be allotted

Presentation Method: Lecture

Deadline: 29 March

To enroll, call the Wellness Program Office, 939-2468.

VAX/VMS FOR BEGINNERS (20 hrs.)

15-19 March; Monday-Friday, 1300-1630; Training Center. By: Daryl Vaughn, C622

Prerequisite: Some familiarity with computer terminals and keyboards.

Intended Audience: Beginning users of VAX systems, nonprogrammers.

In this course you will learn to: log on/off a VAX system, use the Digital Command Language (DCL) instructions, set up files and directories of files, set file protection, use the PHONE and MAIL utilities, and use the VAX editor (ED) to create and modify text files.

Presentation Method: Hands-On Workshop

Note: Enrollment preference will be given to users of installed VAX systems. Do not request this training if your system is not yet installed.

This class is on a call-in basis only; to enroll call 939-0870.

MACINTOSH, SYSTEM 7 (8 hrs.)

22 March, Monday, 0800-1600; Training Center. By: Kenneth LaBaw, Consultant

Prerequisite: 6 months or more experience with Macintosh System 6.

Scope: New features of System 7 will be explained, demonstrated, and related to the student's System 6 experience. The new desktop appearance coverage includes objects (icons), windows, hierarchical outlines, the new objects (aliases, stationary) and new features of the trash can. System commands and dialog boxes are explored and learned through hands-on exercises. Typical areas include the system folder, menu bar, multiple running applications, file sharing, publish and subscribe, memory, net courtesy, and security. As a bonus, QuickTime movies and custom icon creation will be demonstrated.

Presentation Method: Hands-On Workshop

This class is on a call-in basis only; to enroll call 939-0870.

WORD, ADVANCED (16 hrs.)

23-24 March; Tuesday-Wednesday, 0800-1600; Training Center. By: Donnie Goettig, Consultant

Prerequisite: 6 months experience using Word 5.0

In this course you will learn how to use:

- Style sheets: automatic and custom, based on, next style, copying and pasting styles, linked styles, changing and editing styles.
- Tables: multiple-page tables, combining, merging and splitting cells, sorting in the table.
- Advanced graphics: cropping, resizing, position command, flowing text around the graphic.

TQL FOR SUPPORT STAFF (8 hrs.)

17 March; Wednesday, 0800-1600; Training Center. By: Marion Lapan

This seminar addresses the method of Total Quality Management as it applies to and can be implemented in the support staff field. Emphasis is on practical, everyday use of new skills, behaviors, and mindsets to integrate TQM principles and on clarifying the role of support staff as a crucial link to quality in the workplace. This class fulfills the Secretarial Certificate Program requirement for the Introduction to TQM class.

Deadline: 10 March.

OFFICIAL NAVAL CORRESPONDENCE (8 hrs.)

13 April; Tuesday, 0800-1600; Training Center. By: LaNelle Thompson

Intended Audience: Clerical/Administrative personnel

This course is for all Center personnel who type, write, or approve naval correspondence. It is a detailed overview of SECNAVINST 5216.5C and NAVWPNCENINST 5216.8, which review standards for correspondence preparation, formatting, and paperwork management.

Presentation Method: Lecture

Note: Bring your copy of SECNAVINST 5216.5C (Correspondence Manual) to this class. If you do not have a manual, you may obtain one in class. Enrollment is on a call-in basis only. To enroll, call Sue at 939-2349.

Deadline: 6 April.

IMAGE & COMMUNICATION SKILLS FOR WOMEN (6 hrs.)

3 March; Wednesday, 0800-1500; Carriage Inn. By: National Businesswomen's Leadership Association

The opportunities for women in business have never been greater. There are a number of identifiable traits that most successful women in the workplace have in common. This workshop contains the most practical information possible on self-presentation and communication skills to help you achieve success in your personal and career goals, boost your professional impact, and develop powerful, creative image skills. Skills you will learn are:

- How to gain authority through your bearing, mannerisms, gestures, and speech
- How to present your ideas persuasively
- How to gain recognition and respect for your work
- How to handle conflict and deal with difficult people
- How to communicate with impact
- How to make sure your nonverbal messages are saying what you want them to say
- How to prepare to move up...and let those above you know you are ready

The cost for this class is \$65. Enrollment is by call-in only and a JO# is required. Do not send in training requests. To enroll call 939-6628.

MTF MESSAGE EDITOR FOR MAC (8 hrs.)

23 February; 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. Participants will also learn how to use the programs format error checking. To sign up for this class, call Pat at 939-3159.

MANAGING OTHER PEOPLE'S WRITING (16 hrs.)

9-10 March; Tuesday-Wednesday, 0800-1600; Training Center. By: Casey Reynolds

Designed for supervisory or administrative personnel who must edit the writing of others, this workshop focuses on the "chop and polish" process in government writing. Attendees will refresh their skills in critiquing matters of mechanics, style, and content. This will include problems in organization, sentence structure, vocabulary, paragraphing, punctuation, and common pitfalls in business grammar. Attention will also be given to evaluating thought development, logic accuracy, clarity, and the suitability of the written material for the intended objective and targeted reader. Special classroom time will be devoted to the "people" problems inherent in the editing task, including a discussion of interpersonal skills helpful to those who must pass judgement on the work of others. To reserve a space in this course, call Pat at 939-3159.

PROOFREADING AND EDITING SKILLS (8 hrs.)

8 March; Monday, 0800-1600; Training Center. By: Management Skills Associates, Inc.

This workshop provides practical help to original writers, clerks, or secretaries who must bring accuracy and polish to any document in its final form. Students get ample practice in a sequence of proofing procedures. Using standard proofreading marks, the attendees learn how to sharpen the eye for error, carry out different tasks in logical sequence, and spot the "top 10" typing/printing mistakes. In addition, they will sharpen their awareness of grammar pitfalls, sentence structure, common punctuation problems, number usage, word division, and the value of teamwork in especially demanding proofreading tasks. Class content complies with the GPO Style Manual and with official recommendations on writing standards as currently set forth by the Army, Navy, and Air Force. Registration is by telephone. To enroll call Pat at 939-3159.

EFFECTIVE INTERACTION SKILLS (16 hrs.)

18-19 March; Thursday-Friday, 0800-1600; Training Center. By: Marion Lapan

The main objective of this seminar is to present workable techniques in dealing effectively with a wide variety of personality styles found in the work environment. Participants will identify problematic areas of communication and interaction and learn and practice specific skills to enhance both one-on-one relationships as well as polish team effectiveness skills. Seminar format will include role playing, practical exercises, and guided visualization to bring participants to self-mastery in their interpersonal relationships. To enroll call Pat at 939-3159.

BASIC GRAMMAR REVIEW (8 hrs.)

23 March; Tuesday, 0800-1600; Training Center. By: LaNelle Thompson

Whether we are writing a proposal to sell an idea, a letter to solve a problem, or a memorandum to organize a meeting, we want results from that effort. Unless writing is presented correctly, the message will not have a chance to get through. The objective of this workshop is to help that person who needs a refresher course in the mechanics of written expression and usage, but does not have time to return full time to a classroom for that update. Upon completion of the class, students will identify the improvement they made in applying their knowledge to topics covered during the course. To enroll call Pat at 939-3159.

ACQUISITION OF TECHNICAL DATA (8 hrs.)

29 April; Thursday, 0730-1600; Training Center. By: Stan Caine, C2556

REQUIRED FOR ENROLLEES IN THE TMC OR SEC PROGRAMS.

The course emphasis is on what the program manager or technical manager, not the practitioner, should know about the development of various types of technical data required to support the phases of the acquisition life cycle of a hardware or software product. Topics include: configuration/data management, drawings, specifications, computer-aided engineering documentation, software documentation, provisioning, and data repository. This course is an overview intended to show what technical data is, why it is important, and how it fits into the acquisition program.

Deadline: 15 April.

AIRBORNE TELEMETRY (24 hrs.)

13-15 April; Tuesday-Thursday, 0800-1600; Training Center. By: James Rieger, C39203

REQUIRED FOR ENROLLEES IN THE SEC PROGRAM.

The course provides a system-level perspective of the uses for telemetry at test ranges for weapons system development and research. Both ends of a telemetry link are considered, from what to measure to what the data means and its accuracy. This course is not intended to show how to design systems, but how to use and work with equipment and operators to the greatest benefit. Emphasis will be on airborne (rocket, missile, and aircraft) telemetry and will include an unclassified discussion on data encryption and TEMPEST.

Deadline: 30 March.

WEAPONS SYSTEMS INTEGRATION (4 hrs.)

12-16 April; Monday-Friday, 0800-1600; Training Center. By: Dave Lynch, Dr. Tom Robinson, and Dr. David Shingledecker, Consultants

Intended Audience: Engineers, programmers, and managers who have experience on modern weapon systems and need to expand their knowledge of system-level integration.

The principal objective of this course is to update

practicing engineers in the new and evolving technologies used in weapon systems integration. Specific learning objectives for the course are:

- Overview weapon systems effectiveness analysis and learn its impact on evaluating weapon systems integration process
- Acquire an understanding of technologies that impact weapon components design and how these new technologies will affect integration in new weapon systems
- Develop knowledge and skills in digital avionics

Deadline: 29 March.

WAVELETS AND THEIR APPLICATIONS (16 hrs.)

20-21 April; Tuesday-Wednesday, 0800-1600; Training Center. By: Gilbert Strang, Consultant

This 2-day course provides a basic introduction to wavelets. It starts with an orthogonal basis of piecewise constant functions, constructed by dilation and translation. The "wavelet transform" maps each $f(x)$ to its coefficients with respect to this basis. The mathematics is simple and the transform is fast (faster than the Fast Fourier Transform, which is briefly explained). But approximations to piecewise constants is poor. To improve this first wavelet, we are led to dilation equations and their unusual solution. Higher order wavelets are constructed; it is surprisingly quick to compute them—always indirectly and recursively. Applications are discussed in signal processing, video and image compression, fingerprinting, geophysics, as well as developing applications in solving partial differential equations, and electromagnetics.

Deadline: 6 April.

EMBEDDED COMPUTERS (24 hrs.)

6-8 April; Tuesday-Thursday, 0800-1600; Training Center. By: Richard Fryer, C21C

REQUIRED FOR ENROLLEES IN THE SEC PROGRAM.

This course is a review of the primary components and trade-off parameters for embedded computer systems. It covers system development and integration issues, showing where these issues link the rest of system development from the aircraft platform and weapons level to subsystem integration, software development, and life cycle support.

The class will also review the DOD standard computer products and expected near-term developments in embedded computers and review the major issues that systems engineers should be concerned with during project development.

Deadline: 23 March.

JUST-IN-TIME TQL TRAINING: ACHIEVING TOTAL QUALITY LEADERSHIP (16 hrs.)

9-10 March; Tuesday-Wednesday, 0800-1600; Carriage Inn. By: Roger Kirkham

The following topics will be addressed:

- Facing the Need for Revolution
- Management Must Become Obsessed With Quality