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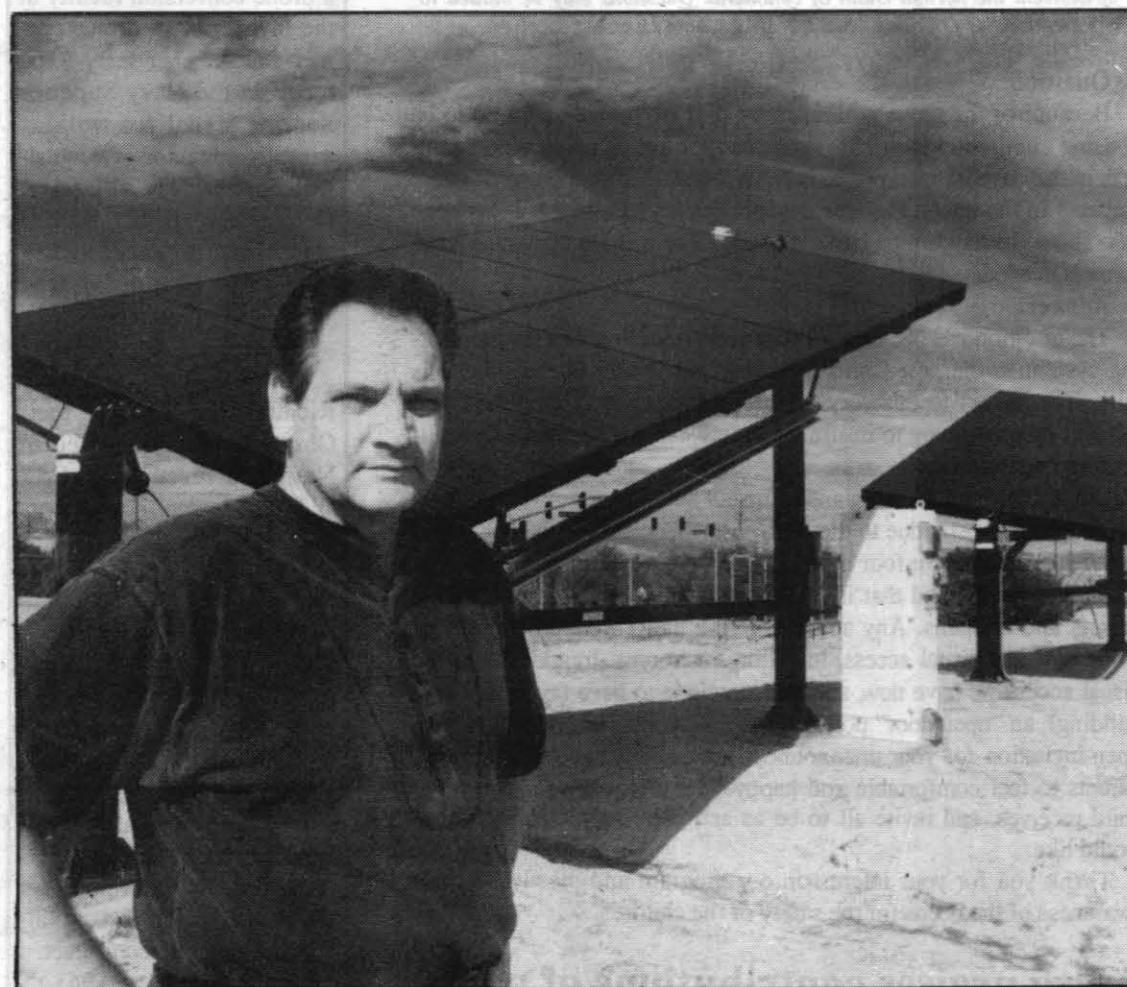
THE ROCKETEER

THURSDAY, FEBRUARY 11, 1993

NAVAL AIR WEAPONS STATION, CHINA LAKE

Vol. 49, No. 3

Garyl Smith receives special energy efficiency award



Recently named deputy PW officer is acclaimed for his pioneering work in solar and photovoltaic technologies

By Peggy Shoaf
Staff Writer

History books are full of stories about pioneers, not only stories about the people who explored new lands, but about innovators who weren't afraid to delve into the unknown, searching for ways to make the world a little better. But those pioneering instincts aren't just in history books.

Garyl Smith, director of the Navy Energy Programs Office at the Naval Air Weapons Station China Lake, is such a pioneer. For the past 15 years, Smith has been pioneering the fields of solar and photovoltaic technologies. His research, development and implementation of cost-effective PV power systems throughout the Navy and Department of Defense recently earned him the Special Federal Energy Efficiency Award.

Smith, recently named NAWS China Lake's deputy public works officer, noted PV technology is a direct energy conversion system, converting solar energy directly to electricity, versus solar thermal electric, which requires an intermediate step.

Because Smith couldn't attend the Federal Energy Efficiency Awards ceremony held in Washington last October, Capt. B.J. Craig, NAWS China Lake Commanding Officer, presented the award to Smith in January.

Smith noted the Federal Interagency Energy Policy Committee and the Department of Energy established the Federal Energy Efficiency Award Program in 1981. Since then, it has primarily recognized energy efficiency and conservation efforts within the federal government. Last year, a special category recognizing contributions to solar energy development within the federal government was established. Smith is

Please see **PHOTOVOLTAIC**, Page 6

SQUINTING into the source of his success, Garyl Smith stands before photovoltaic power system at the NAWS Visitor's Center, which is just one of the many systems on Station that earned him recognition with a Special Award from the Federal Energy Efficiency Awards Program.

Photo by Terry Pascarella

CRDA signing ushers in new paradigm for business—ECI

By Barry McDonald
Editor

Two names are the first official words in the next chapter to the book on military-civilian teamwork, a book to which China Lakers have contributed many chapters. They were written last Thursday when RAdm. William E. Newman, Commander, Naval Air Warfare Center Weapons Division, and Roy Penwell, chief executive officer of Technology Source Corporation, signed the first cooperative research and development agreement (CRDA) and statement of work to be carried out at the NAWCWPNS Embedded Computing Institute (ECI).

Embedded computing refers to one or more comput-

ers built into a system, usually in a restricted space, that perform specific functions to control or contribute to the control of the overall system. Such systems range from digital watches and automobile climate control systems to guided missiles and aircraft carriers. While the watch may have only one embedded computer, the F/A-18 Night Attack aircraft carries a multitude, with a combined memory capacity of more than three million 16-bit words.

While embedded computers have been around for over 30 years, developers have been scattered across many scientific and engineering disciplines, each going about the process with their own approach, learning as they go. There has been no entity dedicated to pulling together resources to find the best and most efficient

ways to develop embedded computers and attendant devices. No university recognizes embedded computing as a separate discipline to the extent that they have specific courses for teaching it.

The goal of the ECI is to bring together people from government, industry and academia in a cooperative environment with shared resources to advance the field for the benefit of all the players.

In his opening comments at the signing ceremony, RAdm. Newman noted while the Navy and DoD have many CRDAs with industry, this is the first time such an agreement has been used to establish an institute with multiple partners.

"The benefits of the institute will be far reaching," he

Please see **INSTITUTE**, Page 7

Seabee Ball set for March 13

RAdm. (sel.) David Nash is guest speaker at annual event

4

New Standards of Conduct

Effective since Feb. 3, copies should be in department offices

9

NAWCWPNS Fellow nominations wanted

Programs are consolidated, but each site has own selection committee

12

Innovation earns Commander's Award

Merrie Giles' new FIPR tracking database has wide application

10



Weather

	Jan. 20	Feb. 2	
Max.	72	30	Humidity
Wed	72	29	74-19%
Thurs	72	29	76-24%
Fri	-	-	-
Sat	-	-	-
Sun	-	-	-
Mon	68	30	92-20%
Tues	68	29	70-21%
Wed	69	35	69-27%
Thurs	70	33	71-21%
Fri	74	48	65-24%
Sat	73	41	-
Sun	67	43	-
Mon	63	48	92-56%
Tues	64	49	64-34%



China Lake Calendar

Monday, Feb. 15

- Deadline for Mini-IRIS abstracts

Friday, Feb. 19

- Mac Users Group meeting, 1 p.m., NAWS Conference Center

Saturday, Feb. 20

- MWR Sweetheart Dinner/Dance, 8 p.m., Seafarer Club

Tuesday, Feb. 23

- China Lake Women in Science & Engineering luncheon, 11:30 a.m. to 1 p.m., Farris' at the Heritage

Saturdays, Feb. 27-March 28

- All Faith Chapel Catholic Congregation film series, 4 to 5:30 p.m., East Wing of All Faith Chapel

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:

Because of the growing number of daycare providers found to be abusing children in their care, and the increase of using video cameras in the daycare workplace, is NAWS considering the use of video cameras in the upcoming new daycare facility? From what has been said about the daycare on base, it sounds like a video camera in each room is needed.

Answer:

The question has been raised regarding installing a video monitoring system in the new Child Development Center at the time it is built. The answer to this very important inquiry is an emphatic yes! We will do everything to insure the safety and well being of the children and adults alike.

Currently, there are no plans to install such a system in the existing program, mostly due to the high costs associated with such a system being installed in four buildings. We do, however, have the next safest alternative, and that is viewing access into all rooms, storage closets and kitchens. Any space where a child and adult might be alone now has visual access, including restrooms. In addition to the visual access we have now, and will continue to have (even in a new building), an "open door" policy we extend to all parents, which is an open invitation for your unannounced visit at any time. We want all parents to feel comfortable and happy with the quality of care their child receives, and invite all to be as active in the program as they would like.

Thank you for your interest in our program and mostly for your awareness of the needs for the safety of the children.

Kelso praises contributions of past, present African Americans in DoN

By Adm. Frank B. Kelso II
Acting Secretary of the Navy

February is designated National Black History Month to honor and recognize the many contributions African Americans have made to the United States throughout our history. It is also a time to remember the sacrifices our fellow countrymen and women within the Department of the Navy, both military and civilian, have made and the leadership they have provided. Our theme for 1993 is "African American Scholars: Leaders, Activists and Writers."

By personal courage, honor and commitment, African Americans have overcome oppression and racial injustice to lead inspiring lives. Born into slavery in 1753, Phillis Wheatly was the first black woman to publish a book in America. Booker T. Washington ascended from his birth as a slave and life as a coal miner to become a teacher to a nation. The grandson of a slave, Martin Luther King Jr., dedicated himself to the elimination of racial hatred and gave his life in the pursuit of that dream.

America has never wanted for African Americans who would willingly lay down their lives to defend freedom. The first American casualty of the Revolutionary War, Crispus Attucks, died while leading a protest against the injustices of British colonial rule. An escaped slave, he rests today in an integrated grave with four other patriots in the Boston Commons.

African Americans have served with courage and distinction in the Navy and Marine Corps: 75 have earned the Medal of Honor. USS *Rodney M. David* (FFG 60) was named for a black Marine Corps sergeant who was awarded the Medal of Honor posthumously

Please see **BLACK HISTORY MONTH**, Page 21

Pages From The Past

February 4 & 11, 1983

Air Test and Evaluation Squadron Five's A-7 Systems Officer Lt. Rom Frey won a \$1,200 Beneficial Suggestion Award for redesigning the Mk.106 practice bomb. . . NWC Commander Capt. J.J. Lahr helped Northrop Services Corp. break ground for a drone conversion facility at the Inyokern Airport. . . Former China Laker Jerry Reed received the Navy Superior Service Medal for work as executive director of acquisition for the Navy Material Command. . . Dillard Bullard was named to succeed Bill Porter as head of the Weapons Department.

February 2 & 7, 1973

Ruth Tedrick and Herb Richter have now seen their Chemlite invention used in Navy sea rescues. . . Cdr. W.V.R. Vieweg, son of former NOTS Commander Capt. W.V.R. Vieweg, returns to China Lake as a guest speaker for ASPA. . . Joe Shaffer is the new head of NWC's Optics Shop. . . China Lake's Pierre St. Amand is en route to Nicaragua to study the massive Managua quake. . . Rockeye II, as used in Vietnam after NWC development efforts, is the Navy's first "all-up round" delivered to fleet.

Feb. 8 & Feb. 15, 1963

Lieutenant Mel Foreman took over as NOTS security officer as his predecessor, LCDr. Jack Griffin, moved on as commanding officer of USS *Cook*. . . Lillian Adamson and son, James, accepted a posthumous award for Vaughn Adamson from the Federal Personnel Council of Southern California. . . Last week saw the first launch of a Ryan Firebee (Q2C) drone from NOTS ranges.

February 4 & 11, 1953

Mary Jane Morgan was the winner of the March of Dimes Queen contest. . . Overall, the annual March of Dimes fund drive raised more than \$12,800, a new China Lake record. . . Marine 2nd Lt. W.S. Torrance was presented the Distinguished Flying Cross for action while flying combat missions over Korea last year. . . Marshall Adamson, of the Personnel Department, was named chairman of the local Boy Scout District.

COMMUNITY EVENTS

Reward offered for burro killers

Information leading to the arrest and conviction of those responsible for the recent killing of 10 wild burros at a spring near the Saline Valley Marsh, located in the Panamint Valley, may be

worth \$1,000. The carcasses were discovered in late December. The Bureau of Land Management is offering the reward. Information can be reported by calling (909) 697-5336.

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also be presented with a heart-shaped box of candy and a long-stem red silk rose. To order one of these Valentines, call Bob Gould, 446-7475. Cost is only \$10 for the rose, candy and one song. Additional songs will be available at \$5 per song, with a three song limit. Songs to be sung are "Tell Me Why," "Let Me Call You Sweetheart," "Story of the Rose" and "Sweet and Lovely."

Photo society meets tonight, Feb. 11

Steve McGrath, who has made six trips to Israel, will be the guest speaker at this month's meeting of the China

Lake Photographic Society. The meeting is set for 7:30 p.m. this evening, Feb. 11, at the Ridgcrest Library.



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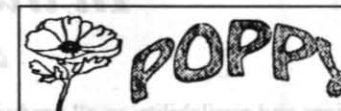


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MISC. FOR SALE.....40
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Straight Talk

By RAdm. George Strohsahl
Commander, NAWC

Signs of the times of change should be visible to all of you. A year ago when NAWC stood up as a command we changed the names of almost all the activities that joined to form the NAWC. The NAWC logo started appearing on letterhead, outside signs, lapel pins and coffee cups. We had agreed on a common logo design so that this distinctive emblem would be recognizable throughout Naval Aviation and become a symbol of world class technical excellence. Now common security badges with our logo are starting to be issued at all the NAWC sites. With the new common badge our employees will no longer require temporary badges at other sites. It signifies that the employee is welcome aboard throughout the NAWC and that we're all part of the same team.

At NAWC Washington headquarters we're about to complete the last of our planned facilities with the Video Teleconferencing Center equipment arrival in December. I'm very pleased with the heavy usage of our conference facilities by NAWC employees from the field. When the VTC comes on line shortly, we'll be even more capable of serving as your home-away-from-home in DC.

Both Aircraft and Weapons divisions are deep into the Strategic Planning process which is designed to enable each division to tailor its operations as a single business unit and integrate these operations into the overall NAWC structure as part of the Naval Aviation Systems TEAM. Visible products from these intensive planning efforts will be Operating Plans giving each business element's role in supporting the various programs of the TEAM as well as other customers. Early next year a combined division strategic planning effort will build the overall NAWC Business Plan which provides strategic direction for the entire command, bridging the transition from the overarching TEAM Strategic Plan to the Operating Plans in the field. In one way or another, all our efforts will tie back to the four basic TEAM strategies of People, Acquisition, Team Integration, and Jointness. All employees should have received a small pamphlet which contains highlights of the TEAM plan. If you haven't seen one, ask your supervisor about it. One question that is occasionally asked is whether the NAWC is included in the TEAM plan since it is not specifically mentioned in

the highlights pamphlet and my picture isn't in the centerfold (thank goodness!). We are, of course, included as a subordinate command under NAVAIR. A future update will make that visibly obvious.

In case some don't understand the difference between NAVAIR and the TEAM (Naval Aviation Systems Team) let me offer the following simple explanation. With the stand up of the PEO's (Program Executive Officers) throughout the Department of Defense as required by the Defense Reorganization Act (Goldwater-Nichols), the program offices reporting to the PEO's no longer are within the NAVAIR chain of command. They continue to receive their support from NAVAIR and it's field activities but they don't work for COM-NAVAIR. So we all got together in DC and figured out the obvious — that working together as a team in support of Naval Aviation was still required, in spite of official command relationships. Hence was born the TEAM which includes the PEO's/PMA's, NAVAIR and it's field commands, and the Aviation Supply Office (ASO). VADM Bowes, as the senior official in the TEAM, is its leader and the principal architect of the development of the TEAM strategy and plan. All reference to this larger TEAM will always use capital letters to differentiate it from the many other teams we have or are building within the NAWC in support of programs.

CLPD's searches promote safety

The China Lake police are tasked with the responsibility of conducting random vehicle inspections by the Commanding Officer, Naval Air Weapons Station China Lake. These vehicle inspections are done at predetermined times and locations; conducted in a random-numbered vehicle-type of search for illegal contraband, weapons, breaches in security; and provide vehicle safety inspections.

During the month of September 1992 various weapons and contraband were seized throughout California naval installations as a direct result of these vehicle inspections. The following are some examples:

The China Lake police seized an unlawfully loaded 9 mm semi-automatic pistol and a 22" billy club. Naval Training Center, San Diego, reported finding an unlawfully loaded 38 calibre handgun, and NAS, Long Island, found an unlawfully loaded 22 calibre semi-automatic pistol in the vehicle operator's possession.

These vehicle inspections are another way CLPD keeps the work place and community safe and secure.

Bluejacket hopefuls: Eight candidates vying for coveted Navy League honor are profiled in this and coming editions

BT1 Walter L. Brooks Air Test and Evaluation Squadron Five

He's learned and experienced a lot in his years in the Navy, but Bluejacket of the Year candidate BT1 (SW) Walter L. Brooks says it's his current job that ignited his after-



service career goal. Air Test and Evaluation Squadron Five (VX-5) Sailor of the First Quarter of 1992, BT1 Brooks is leading petty officer (LPO) in the squadron's Automated Data Processing Department.

Born February 13, 1959, to Loyd and Louise Brooks at Hereford, Texas, Petty Officer Brooks is the oldest of four children. He attended school in Hereford until his family moved to Cimarron, N. M., just before his freshman year of high school. Brooks graduated from Cimarron High School in 1977 and went on to work as a millwright until his enlistment in the Navy in May 1978.

After Boiler Technician "A" School at Great Lakes, Ill., Brooks was advanced to third class petty officer in September 1982 during a five-year tour aboard USS *Bradley*.

Two years of shore duty came next at Naval Amphibious Base, Coronado, Calif., where he served with the base police force. In this assignment he became the first third class petty officer to serve as watch supervisor at NAB. He was subsequently selected as Patrolman of the Quarter and was promoted to second class in September 1984.

Returning to sea duty, aboard USS *Ramsey*, BT1 Brooks advanced to first class in September 1987, while a member of *Ramsey's* decommissioning crew.

Transferred to USS *Jason*, Brooks operated the ship's boilers, supervised the fuel oil/boilerwater chemistry lab and the automatic boiler control repair shop. He also assisted *Jason's* boiler repair shop on many repairs onboard various Third and Seventh fleet ships.

Since reporting to VX-5 in November 1990, BT1 Brooks' duties have been numerous—First Lieutenant Division LPO, Bat's Mess supervisor and Command Drug/Alcohol Program advisor. He currently serves as Command Educational Service Officer (ESO) and Auto-

mated Data Processing LPO.

"Petty Officer Brooks is an unmatched performer and top quality organizer," wrote VX-5 CO, Capt. Garth A. Van Sickle, in the nomination package. "As ADP LPO, he is responsible for the maintenance and repair of 83 personal computer systems. Concurrently assigned as ESO, he is responsible for tracking all advancement data for over 300 enlisted personnel. Among the significant contributions to this squadron are the strong professional example he sets and the invaluable counseling he provides."

Brooks and his wife, Barbara Ann, have been married for two years and have a one-year-old son, Bryan Alan. Barbara works as an electronics/communication technician for Research Development Laboratory, a contractor at Naval Air Weapons Station China Lake.

Favorite movie — "Hot Shots."

Favorite book — "Guns of the South" by Harry Turtledove.

Favorite author — Andre Norton.

Favorite snack — Popcorn.

Car — 1989 Dodge pickup.

Community involvement — He and his wife are active in the Ridgecrest

SHARE Chapter, a non-profit organization that promotes wide-ranging community service. A certified Red Cross CPR instructor, Brooks regularly provides CPR training both on and off the job. He participated in a building rehabilitation project at the Indian Wells Valley Association for Retarded Citizens. He also serves as vice president of the First Class/Staff Non-Commissioned Officers Association.

Hobbies — Rock hounding, stunt kite flying and bass fishing.

Person you look up to most — "My uncle. He's a retired senior chief and told me to stick with it and learn all I could from the Navy."

Likes best about the Navy — "The opportunity to see and do what most people only dream about. I've been all over the Western Pacific. I've picked up skills, especially at China Lake, that most people wouldn't even know how to go about getting."

Like least about the Navy — "It seems to me whenever there are cutbacks, the enlisted people get hit the worst. I wish they could do more for the junior personnel—they're the ones who need it the most."

After retirement I plan to — "move to Alabama and open a business repairing and building PCs."

AMH2 Jimmy A. Walston Naval Air Weapons Station

One of four Bluejacket of the Year candidates from the Aircraft Intermediate Maintenance Department, AMH2 Jimmy A. Walston Jr. is rated the top second class petty officer in AIMD, according to the nomination package by AIMD Officer Lt. Michelle Williams. He was selected Naval Air Weapons Station China Lake Senior Sailor of the Quarter for the second quarter 1992.

Born May 11, 1964, in Lynwood, Calif., to Jim and Sue Walston, Petty Officer Walston was the first of three children. He was raised in Bertrand, Neb., graduating from Bertrand Senior High in May 1983. He entered the Navy the following year through the Delayed Entry Program.

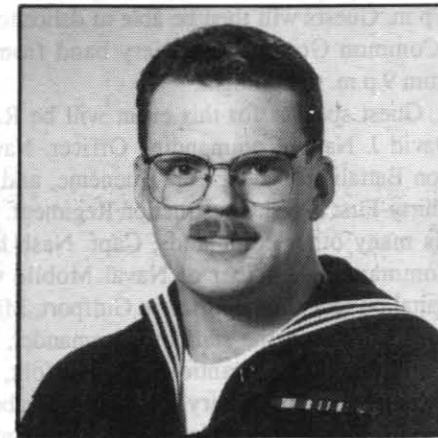
After recruit training and Aviation Structural Mechanic Hydraulics "A" School at Great Lakes, he reported to Naval Air Station Patuxent River, Md., in June 1984. While temporarily assigned to the station's Solomons Annex as a harbor patrol boat driver, Walston received the CO's Meritorious Mast for outstanding service.

Returning to Patuxent River, he was assigned to the hydraulic troubleshoot-

ing team in the AIMD Hydraulic Work Center. During this tour he made third class petty officer in

Branch where he is responsible for quality maintenance in four AIMD work centers.

"Petty Officer Walston is an absolute top performer in every respect," Lt.



Williams wrote, in part. "As Hydraulic Repair Work Center assistant supervisor his dynamic leadership style, astute managerial ability and spirited demeanor created an atmosphere of high morale, quality maintenance and dedicated performance among his peers and subordinates. His vast technical expertise, maturity and overall superior performance led to his selection to his current assignment as AIMD quality assurance representative."

Walston and his wife, Julie, live on Station with their nine-month-old daughter, Whitney. Julie works at the NAWC Child Development Center.

Favorite movie — "Casablanca."

Favorite book — "Hunt for Red October" by Tom Clancy.

Favorite author — Tom Clancy.

Favorite snack — Popcorn.

Car — 1986 GMC pickup.

Community involvement — He and his wife are active in their church. Continuing an extracurricular activity he started in his first tour when he served as assistant wrestling coach at Great Mills High School, he has recently started helping out with the wrestling program at Burroughs High School. He instructs other military personnel and BHS students in weight training and was an inaugural member of the NAWC MWR Weight Room Advisory Board.

Hobbies — Camping, hiking and "playing with Whitney."

Person you look up to most — "My step-father. He's a very fair and honest man."

Likes best about the Navy — "Travel, meeting a lot of people and making good friends."

Like least about the Navy — "Saying goodbye to good friends."

After retirement I plan to — "finish my degree and teach and coach in high school."

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For reservations and detailed information, Please contact April Mitchell at (310) 598-9645.

AVCOM EDA

Tuesday, February 23

9:00 - 11:30 **The VHDL Design Challenge**
VHDL Modeling, Simulation and Design Management Tools from Model Technology, Exemplar Logic, Lewis Systems and ALS.

1:00 - 3:30 **Device Independent FPGA Design**
Device Independent Place/Route, Optimization and Retargeting tools from Exemplar Logic and NeoCAD.

Wednesday, February 24

9:00 - 11:30 **From Concept to PCB**
Design Tools from Concept to PCB will be discussed and presented from Advanced Engineering Research, ORCAD and others.

1:00 - 3:30 **Timing Verification**
Quad Design Tools for resolving timing errors associated with advanced digital designs. Discussed and presented will be Static Timing Verifiers, Transmission Line Calculator and Crosstalk Analysis.

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Seabee Ball slated for March 13

Tickets for the 1993 Civil Engineer Corps/Seabee Ball at the Naval Air Weapons Station China Lake, are now on sale for \$24 each. The ball, set for March 13 at the Seafarer Club, will celebrate the CEC's 126th birthday and the 51st birthday of the Seabees. To order tickets, call Lt. j.g. Brian Lewis at 939-4071 or Ensign Greg Riley, 939-4097.

Festivities will begin with a social hour at 6 p.m., followed by dinner at 7. A program honoring past and present Seabees, as well as the CEC, will be held from 8 to 9 p.m. Guests will then be able to dance to the music of "Common Ground," a variety band from Ridgecrest, from 9 p.m. to midnight.

Guest speaker for this event will be RAdm. (select) David J. Nash, Commanding Officer, Naval Construction Battalion Center, Port Hueneme, and Commander, Thirty-First Naval Construction Regiment. In addition to his many other commands, Capt. Nash has served as Commanding Officer of Naval Mobile Construction Battalion One, homeported in Gulfport, Miss.; as operations officer on the staff of Commander, Construction Battalions, U.S. Atlantic Fleet, Norfolk, VA; Deputy Commander for Military Readiness (Seabees) at Naval Facilities Engineering Command, Washington, D.C.; and NAVFACENGCOM's Deputy Commander for Manpower and Organization, as well as its Assistant Chief of

Civil Engineers.

The CEC was formed March 2, 1867, growing from only five CEC officers to its present-day strength of 1,700 CEC officers. On Jan. 5, 1942, the naval construction battalions were established, and on March 5, 1942, the Bureau of Navigation sanctioned the designation "Seabees" and the "bee" insignia for the naval construction forces.

From the early critical days of World War II, Seabees have showed the world that "the difficult they accomplish at once; the impossible a bit longer." This reputation has not changed. Seabees have distinguished themselves in combat construction from the jungles of Guadalcanal to the rice paddies of Vietnam, and more recently, the sands of the Persian Gulf region.

In peace time, the Seabees, the CEC and their parent command, the Naval Facilities Engineering Command, form a team dedicated to providing and maintaining shore facilities throughout the world.



RAdm. (sel.) David J. Nash

Apply for scholarships by Mar. 1

March 1 is the application deadline for 25 college scholarships earmarked for active duty service members' dependents.

The \$1,000 scholarships are funded by Anheuser-Busch Inc. and administered by the United Service Organizations. Graduating high school seniors and service members' immediate family members, including spouses, who completed high school within the last four years are eligible.

Applications must include complete documentation or they will be disqualified, Pat Baker, USO special projects coordinator, stressed. Along with high school transcripts, college board test scores and recommendations by school officials, applications must include a narrative statement.

"The narrative should describe the applicant's extracurricular activities and how they have helped the individual to develop," said Baker. "Especially relevant ones are those that indicate leadership, citizenship, teamwork and dedication. These can include athletics, community service, student government and part-time employment."

For more information and application forms, check with the local USO or write USO World Headquarters, Budweiser/USO Scholarship Program, 601 Indiana Ave., NW, Washington, DC 20004.

New chaplain, Lt.j.g. David Alicea, comes aboard

Peggy Shoaf
Staff Writer

Having an open-door, open-heart policy is a philosophy Lt.j.g. David Alicea believes in. During his tour as the Naval Air Weapons Station China Lake's assistant command chaplain, Alicea says he will live up to that philosophy.

"My role in life has been dealing with people — meeting their needs, helping and preaching the gospel to those who need it," the assistant chaplain said.

Originally from New York, Alicea moved to Puerto Rico when he was 10 years old. He attended the Evangelical Seminary of Puerto Rico, one of the best schools in the Caribbean, he said, and has been an ordained minister for the past 14 years. During that time, he has been invited to preach in a number of churches on the East Coast. He has also visited Central America, the Dominican

Republic and South America, preaching and helping develop churches where needed.

Alicea noted he became interested in joining the Navy after contacting a Navy base in search of assistance for his community. Knowing the servicemen and women had the same, if not stronger, spiritual needs as his congregation, and being interested in the Navy, Alicea joined the Navy last year.

After attending the seven-and-a-half week Navy Chaplain Course in Newport, Rhode Island, Alicea brought his family to China Lake. "Being new to the military, this is a good transition," Alicea said. "This is a unique base, lots of civilians. I can get acquainted with the military system but still have a pastoral role. We (Alicea and his wife, Myra) told God we didn't want to come into the Navy and lose that pastoral role we had in Puerto Rico for 14 years. I think it has been a blessing of God to come into the

Navy to China Lake, finding a congregation where I can be a military chaplain, but still be in a pastoral role with a protestant congregation that is very supportive.

This supportive congregation has also made his wife very happy, Alicea said. "Our ministry has always been for the people, and after encountering the people here, we feel right at home."

After hearing horror stories about the heat and desolation of the desert, plus the fact it never rains or snows, Alicea wasn't sure what he expected. He did note, however, that he didn't expect days-on-end of rain or two measurable snow falls in one week! The Alicea children, 12-year-old Dayra, 10-year-old Francisco and 4-year-old Benjamin, didn't mind the unusual weather a bit. "They've seen snow on TV and in magazines," Alicea said, "but had never had the opportunity to be a part of it. They were excited." He then confessed, "I was excited, too. I was

out there with them."

One of Alicea's first goals at China Lake is to expand the understanding of the needs of military personnel by the civilians. Activities are already being planned to bring the two groups of people together on a social basis. "We want to give them (the civilians and military) the chance to meet and interact, expanding their understanding of each other," he explained.

"I feel blessed being at China Lake," Alicea said. "The people here are great... and dealing with people... that's my life."



Lt.j.g. David Alicea

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 Dibb 2-5 p.m.
Adult Education, Saturday, 1902 Dibb 10 a.m. - noon
September through June
Religious School, Sunday, 1902 Dibb 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 Dibb, 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

KNID & TVIS February 15-26

KNID

•Monday-Friday, February 15-19

5:30 p.m.: Navy News
5:55 p.m.: Historical Film: "Rocket Car" (1950)

6:05 p.m.: "Special" Special
6:35 p.m.: Jack's Story
7:05 p.m.: Seoul Don Bosco

•Monday-Friday, February 22-26

5:30 p.m.: Navy News
5:55 p.m.: Historical Film: "Supersonic Test Track for Weapon Programs" (1956)
6:11 p.m.: Alexander Liberman
6:40 p.m.: Blood and Fire

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, Feb. 16

8:30 a.m.: Eyes on the Prize: The Promised Land 1967-68
10 a.m.: Eyes on the Prize: Power 1967-68

11 a.m.: President Clinton's Inauguration Speech
11:30 a.m.: Wellness: Relaxation

1 p.m.: MacAcademy: Excel 3.0 Tape 1 (4-part series)
3 p.m.: The Massey Triad: The Past;

Tape 1 (3-part series)

•Thursday, Feb. 18

8:30 a.m.: Eyes on the Prize: A Nation of Law 1968-1971
10 a.m.: Eyes on the Prize: The Keys to the Kingdom 1974-1980
11 a.m.: President Clinton's Inauguration Speech

11:30 a.m.: Wellness: Relaxation
1 p.m.: MacAcademy: Excel 3.0; Tape 2 (4-part series)

3 p.m.: The Massey Triad: The Present; Tape 2 (3-part series)

•Tuesday, Feb. 23

8:30 a.m.: Eyes on the Prize: Back to Montgomery 1979-1985
9:30 a.m.: President Clinton's Inauguration Speech

10 a.m.: Wellness: Motivation
11 a.m.: Wellness: Relaxation
1 p.m.: MacAcademy: Excel 3.0; Tape 3 (4-part series)

3 p.m.: The Massey Triad: The Future; Tape 3 (3-part series)

•Thursday, Feb. 25

8:30 a.m.: CCI: Understanding Graphical User Interfaces
10 a.m.: CCI: Realtime: Analysis/Advice

11:30 a.m.: Wellness: Relaxation
1 p.m.: MacAcademy: Excel 3.0 Tape 3 (4-part series)

3 p.m.: Dancing with the Bogeyman (Eyes-on-the-Prize listings are Black History Month programs.)

BLACK HISTORY MONTH from Page 2

for extraordinary heroism at Quang Nam Province, Republic of Vietnam. Three other warships, USS Harmon (DD 678), USS Miller (FF 1091) and USS Jesse L. Brown (FF 1089) were named in honor of African American sailors who, with courage and valor, sacrificed their lives in the line of duty.

Preeminent past leaders of the Navy-Marine Corps team include LtGen. Frank E. Peterson, the first black general in the Marine Corps, and VAdm. Samuel L. Gravelly, the first black admiral in the Navy. Distinguished naval leaders today include VAdm. Joseph P. Reason (COMNAVSURFLANT), RAdm. Walter J. Davis Jr. (SPAWARSSCOM), BGen. George H. Walls (Commanding General 2nd FSSG) and RAdm. Mack C. Gaston (COMNAVTRACEN Great Lakes).

By their personal example and dedication, African American leaders, activists and writers will continue to inspire and lead our nation into the 21st Century.

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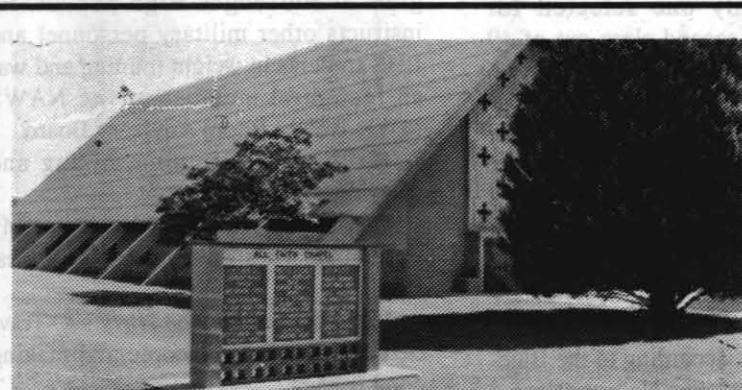
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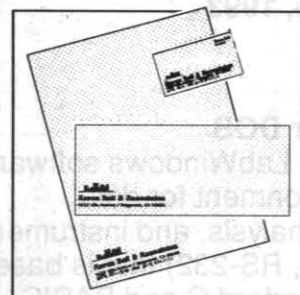
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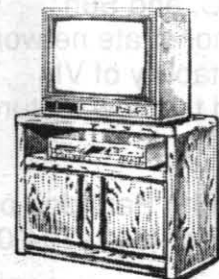
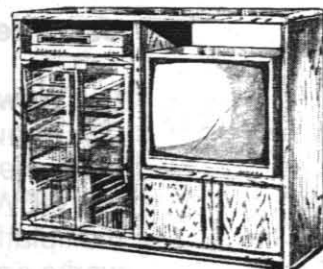
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Winter storms can benefit California's fishing season

This winter's potent storms could hold a silver lining for California anglers, noted Department of Fish and Game officials. If the heavy precipitation trend continues, this winter's storms could create more fishing opportunities in the spring and subsequent seasons, they said.

Rainfall at lower elevations and snow in the mountains have fallen in significantly greater amounts recently than in recent winters. Precipitation totals in the Northern Sierra are running ahead of normal. Snowpack water content in the Northern Sierra is 150 percent of average for mid-January.

If this wet trend continues, the boost in precipitation levels bodes well for more abundant water supplies next spring and summer for reservoirs, lakes, rivers and streams.

For example, federal water officials indicate that this year's storms may bring Lake Tahoe back to its natural rim elevation, possibly allowing water to resume flowing out of the lake into the Truckee River. There has not been any flow out of Tahoe into the Truckee River for three years.

Generous rainfall and plenty of snowmelt have the potential to provide more numerous angling opportunities for California's freshwater anglers.

In addition to giving anglers more fishing sites in the near term, more abundant water would mean more habitat for fish, improving spawning possibilities and making it possible for expansion of fish populations, especially in lakes and reservoirs where water levels have dwindled in recent drought years.

Dennis Lee, fisheries biologist who is the Department's reservoir coordina-

tor, commented "No doubt all the water and snow is good and desirable. It will make for good spawns and a lot more vegetation and habitat for the fry to hide in, and eventually good fishing. Spring fishing should be good."

Fishery officials note ample water supplies will help wild fish populations to rebuild in those bodies of water where drought has limited habitat, cover and nutrients.

However, Lee cautions that one or two stormy months are not enough by themselves to enable reservoirs to reach ideal conditions. A prolonged resumption of heavy rain and snowfall patterns would be helpful.

The Department of Fish and Game, of course, plans to continue to plant trout at publicly accessible bodies of water in many portions of California, as has been done for the most part throughout the drought.

Fish and Game officials suggest that anglers who are cheered by their rain-gauge readings and weather reports make sure they take advantage of the upcoming fishing opportunities this spring by purchasing their 1993 angling licenses.

Fishing licenses are now available at Fish and Game regional offices (in Redding, Yountville, Rancho Cordova, Fresno and Long Beach) and at the department's License and Revenue Branch (LRB) office in Sacramento at 3211 S Street.

Credit card purchases of angling licenses may be made through the Sacramento LRB office using Visa or Mastercard. Purchases may be made in person, or by calling a special number, (916) 277-2246, set up for credit card purchases of licenses.

'Hunter's Silhouette' set

Gun club sponsors rifle match

On Feb. 20 the Sierra Desert Gun Club will hold a "Hunter's Silhouette." Entry fee is \$3 and preregistration, which is required, may be made by calling Nelson Foucher at 939-3476 or 375-1252 after 4 p.m. Squadding begins at 8:30 a.m., and firing at 9 a.m.

The course of fire will be: 200 meters, two minutes unlimited sights and 10 minutes for 10 shots at two chickens and three pigs in the standing position; 300 meters, two minutes for sighters and 10 minutes for 10 shots at two pigs and three turkeys in the sitting or kneeling position; 385 meters, two minutes for sighters and 10 minutes for 10 shots at two turkeys and three rams in the prone position.

Competitors may shoot the standing position at all ranges if they desire. The

rifle must be a standard hunting rifle with iron or scope sights, not to exceed 10x power. Trigger pull must exceed three-pound pull. Weapons chambered for the 7.62 NATO, .308 Winchester or magnums are not allowed. A caliber of .243, 6 mm or greater is recommended. No weapons with heavy barrels, light pull triggers or match-type weapons will be allowed. The "hasty sling" may be used in all positions. Use of shooting jackets, competition slings and match shooting gloves will not be allowed, but shooters may use a skeet-type vest as used for regular silhouette. Use of other types of rifles or equipment will be the decision of the rangemaster.

Awards will be determined by the most targets knocked down in the least number of shots.

EPO begins cleanup of tank sites

Two gaping holes have been dug recently on Station—the next step in cleanup of soil contaminated by now-removed leaking diesel tanks. One is next to the Lemon Lot and the other, on Harpoon, across from the Technical Information Department. For the past couple of weeks China Lakers may have noticed soil being removed and trucked through the Lauritsen Gate.

The contaminated soil is not just being moved from one spot and disposed of elsewhere on Station. It is being stored on plastic sheeting on the streets of an old trailer park west of Sandquist Road. Dirt from another less visible site, behind the China Lake Weapons Exhibit Center, is also stored there. When the nature of the contamination has been fully characterized, a decision will be made on the most environmentally sound and cost-effective way to dispose of it.

"Our purpose in moving it is to get it

away from the water table and to limit access to it," said Curt Kronberg of the Environmental Project Office. "The diesel had dropped to within one to two feet of the water, and we needed to get it out of there. While our initial sampling showed it is contaminated, it is not classified as hazardous, but we still need to store it in a restricted area until it is characterized."

Kronberg explained that the dirt being stored at the excavation sites is clean earth that was removed from above the contaminated soil, and it will go back into the hole along with clean replacement dirt.

He said depending on the level of contamination, the soil at the old trailer park could be treated locally and reused, or perhaps just hauled to the local landfill, if it's found to be safe enough. "What we want to avoid, if at all possible," he said, "is having to ship it to a hazardous waste disposal site. That would be very costly."

IRS will check status of your return after 8 weeks

If you expect a tax refund and more than eight weeks have passed since you filed your federal tax return, the Internal Revenue Service will check on the status of the refund. Call the Tele-Tax Refund Status Information System, updated once a week, at (800) 829-4477, and the IRS will track refund status down for you.

You'll need to provide your social security number, filing status and the exact amount of the refund expected. Touch-tone telephone users can call Monday through Friday, 7 a.m. to 11:30 p.m. EST; rotary dial, Monday through Friday, 9 a.m. through 5 p.m. Best time to call said the IRS is Wednesday morning.



Photo by Terry Pascarella

EARTH MOVING—Contract workers from MP Environmental remove contaminated soil from an old underground diesel tank site.

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PHOTOVOLTAIC from Page 1

the first recipient of this special recognition award. He was nominated for the honor by members of the Office of the Assistant Secretary of Defense.

"We, in the Department of Defense, consider Mr. Smith our foremost expert in the field of solar and photovoltaic technologies," reads the nominating letter. "Mr. Smith has earned this reputation by his technical expertise, leadership and ability for getting things done."

In 1985, noted the letter, Smith initiated an effort to identify all the locations throughout the Navy where PV applications would be cost effective. The resulting documentation drew the attention of both the PV industry and DoD management by identifying more than 21,000 places PV systems would be applicable and cost effective. "To this day," reads the nominating letter, "it (the documentation) is considered a pivotal work that established the practicality, cost-effectiveness and credibility of photovoltaic systems both within and outside the Department of Defense."

Under Smith's direction, close to 2,000 PV systems have been installed for the Navy. NAWC China Lake has 75 of these systems, Smith notes, with the most noticeable one at the front gate, where two large solar panels are just west of the Visitors' Center. These PV devices, part of a RDT&E project to demonstrate using PVs to support utility grids, supplies all of the power used by the Visitors' Center.

"We are in the process of doing several more projects, larger than that one which is a four kilowatt project," Smith said. "We are going to be doing a grid support project, possibly here at China Lake, which will be somewhere between 100 to 200 kilowatts in size, 50 times larger than the system at the front gate."

Smith has been involved in energy programs within the Navy since 1974 in varying capacities. "I arrived at China Lake as a JP (junior professional) in

May of 1974," he said. "My job was supposed to be in the Agile Missile Program, but less than six months after I arrived, the program was cancelled. I had to find a job and got involved in the energy program. I have been involved with the program every since."

He has been part of running the Navy and DoD renewable energy programs since 1980. Since 1985, Smith has served as the chairman of the DoD Photovoltaic Review

Committee. The committee has the responsibility for implementing new, renewable energy technologies for DoD, Smith said.

Under Smith's direction, the committee recently drafted a

new five-year strategy, responding to a Congressional directive to DoD to install 100 mega-watts of renewable energy systems by fiscal year 1998. In addition, Smith has directed the efforts of the committee in the development of technical manuals, design workshops and a descriptive video in addition to personal presentations of this material to a wide variety of military, governmental and private sector agencies.

Due to reorganizational efforts, a new group, called the Tri-Service Renewable Energy Committee, is being formed, Smith said. This group will be responsible for all renewable energy within DoD. "This is so all renewable energy efforts will be concentrated in one group within the Department of Defense," Smith said. The Photovoltaic Review Committee, as well as the Geothermal Coordinating Committee (chaired by Dr. Frank Monastero), will be subcommittees of this group. Smith, who will chair the new committee, said he thinks the Office of the Secretary of Defense will charter the group in the next week or so.

"Just because we are saving energy, doesn't mean we are lowering our (energy) costs," Smith said. "We are doing what is called 'cost avoidance.' In reality, the cost we pay for energy on Station

is going up. If we didn't support energy conversation, our costs would go up substantially more. Just the geothermal program has cut the costs we pay to Southern California Edison. Electrical costs actually went down when geothermal went on line, but it has gone up the past couple of years. If we were still paying the full SCE bill, it would be \$3.8 million more each year than what we are presently paying."

Smith went on to explain that the diesel generators being operated in China Lake's north and south ranges cost thirty to seventy cents per kilowatt hour. "PV systems can replace them at a cost of 20 to 25 cents a kilowatt hour," Smith said. "That is a substantial savings. Most of the PV systems we now have show less than a five-year payback in the capital cost of buying the system, through savings in operation, maintenance and fuel costs."

Smith predicts by the turn of the century PV costs will come down, making it feasible to use PV systems for some grid applications.

There are three classes of grids within DoD, Smith said. San Nicholas Island

Under Smith's direction, close to 2,000 PV systems have been installed for the Navy, 75 of which are at China Lake.

(NAWCWPNS, Point Mugu) is a classic example of what Smith calls an "Island Grid," a place where DoD generates its own power. "Currently, the island uses a diesel generator utility grid, costing 50 to 60 cents per kilowatt hour," Smith said. "A PV system could be used to generate the same power for somewhere between 25 to 30 cents per kilowatt hour, making the PV system competitive now."

The second class of grids is the "Grid Support," using substations. "We have a substation across the street (from PW)," he said. "In a lot of cases within DoD, we are operating substations in excess of 120 to 130 percent of their capacity. This is more power than these subsystems were designed for. We can use PV systems on line with these substations and

bring them within their capacity, extending the lives and operations of these substations."

The third class of grids is "Bulk Power" or "Peak Shedding" grids. These are places within DoD where the government is paying higher prices for electricity in areas where there is a large demand charge for electrical power. "We can offset this 'demand' by using renewable energy like PV, geothermal, wind or solar thermal electricity," Smith explained. "It would be more cost effective. I see this coming on line at the turn of the century, when cost of renewable energy will be down to less than 10 cents per kilowatt hour."

Smith noted there are side benefits to renewable energy other than energy conservation and cost. "Most renewable energy is very clean," Smith said. "So we have an environmental, air quality, benefit. We are not burning fossil fuel and polluting the environment. In many cases within DoD, we have to purchase permits to use diesel generators (which pollute the air). San Clemente is a classic example. They are paying about \$70,000 a year in permit fees to run diesel generators, which makes our renewable energy systems that much more cost effective," Smith added.

In addition to his duties as director of the Navy energy programs, Smith has added the duties of PW's "second in command." Smith took over for Bill Bonner, associate PW officer, who retired in November, as acting associate PW officer. In January, after a selection process, Smith was chosen as the new deputy PW officer.

Smith noted while the name of the position had changed, the duties remain the same. "Basically," he said, "my mission, from my perspective, is to provide leadership for the department and to maintain the station's and center's infrastructure."

SPORTS

Winter softball season underway

'We Must Be Crazy' bests 'Bombs-R-Us,' but 'China Lake All Stars' still on top

By Carl Norlund
Sports Correspondent

Play is underway for the Naval Air Weapons Station China Lake Adult Winter Softball League. Since December, eight teams have been playing games at Schoeffel Field when weather permits.

On Tuesday, Feb. 2, "We Must Be Crazy" triumphed over "Bombs-R-Us." The game opened with the Bombs tallying three runs in the top of the first inning on four hits. However, in the second half of the inning, Crazy answered with 10 runs on seven hits, including a two-run homerun by Brent Bossi.

In the second inning, Crazy tallied another 13 runs on nine hits, including a Bob Rodzewich round-tripper.

The Bombs tried to come back with

three runs on four hits in the third inning, but it wasn't enough. After failing to score in the fourth inning, the Bombs only managed one run in the fifth.

Crazy closed out its scoring with four runs in the fourth inning. The final score was 27-7.

As of Feb. 1, "China Lake All Stars" led league standings with five wins and no losses. The "Coyotes" are in second place with four wins and one loss, while "Search and Rescue" and "We Must Be Crazy" are tied for third with three wins and two losses. The "Lakers" are in fifth place, at one win and two losses, followed by "Reflex," with one win and three losses. Neither the "Teufel Hunden" or "Bombs-R-Us" teams have managed to savor the sweet taste of victory, as yet.

Input wanted in upcoming 1993 Mini-Triathlon planning meeting

Holding a successful sporting event takes planning, said Larry Seibold, and plans are already underway to make the Naval Air Weapons Station China Lake Mini-Triathlon for 1993 a roaring success. Seibold is an electronic engineer in the Intercept Weapons Department at the China Lake site of the Naval Air Warfare Center Weapons Division and coordinator for this year's triathlon.

The China Lake Mini Triathlon consists of a half-mile swim, 25-mile bike race and a 6.2-mile run. Individuals or three-person teams can challenge their physical fitness in this event.

"We want to make this event a fun, community thing," Seibold said. And to do that, input from past participants and people who have attended other such

events is needed.

Seibold invites all interested individuals to attend the planning meeting set for 5:30 p.m. March 4 in Room 211 of the Training Center. People don't have to be athletes to attend this meeting, Seibold said. "We want as many people as possible to attend and give their input so we can produce a better triathlon," he explained.

Seibold said he would like to see participants have the maximum amount of fun at a low price. He also hopes other bases will become involved.

People who can't attend the meeting, but have some input they would like to share, can reach Seibold at 927-1729.

The China Lake Mini Triathlon usually takes place in October of each year.

Registration set for youth baseball

Registration and evaluation for the upcoming Indian Wells Valley Youth Baseball season will take place at the Kerr McGee Fields (corner of Ridgecrest Blvd. and Downs Ave.) from 10 a.m. to 3 p.m. on Saturday, Feb. 13, and

from noon to 5 p.m. Saturday, Feb. 20.

The enrollment fee for the Shetland Division, 5 to 6 year olds, is \$35, while the Pinto fee, for 7 to 8 year olds, is \$50. Fees for all other age groups, ranging from 9 to 16 years of age, are \$60.

NATIONAL INSTRUMENTS

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Where: Carriage Inn
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When: Thursday, February 25, 1993

Product Demonstration Agenda

9:00 a.m. to 10:00 a.m. **LabWindows® for DOS**
An overview of the LabWindows software development environment for data acquisition, data analysis, and instrument control (GPIB, VXI, RS-232) that is based on the industry-standard C and BASIC programming languages for DOS-based PCs.

10:30 a.m. to 12:00 noon **LabVIEW for Windows, Sun, and Macintosh**
An overview of the LabVIEW graphical programming environment for data acquisition, data analysis, and instrument control (GPIB, VXI, RS-232) that runs on multiple platforms - Windows-based PCs, Sun SPARCstations, and Macintosh computers.

LabVIEW User Group Meeting Agenda

1:30 p.m. to 3:30 p.m. **Introduction and Overview of New Products**

User Presentation

LabView Presentation
Jim Shaw, District Sales Manager, National Instruments. Jim will demonstrate LabVIEW 3.0, the unannounced new multiplatform version of LabVIEW that works on Macintosh, PC, and Sun computers. He will demonstrate networking between platforms, portability of VIs between platforms, and the new features of LabVIEW 3.0.

For more information, please contact John Partridge of National Instruments at (800) 433-3488 or (512) 794-0100. We hope to see you there!



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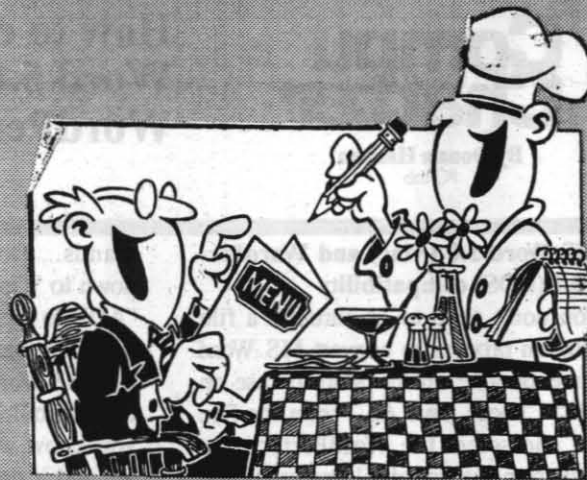
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INSTITUTE from Page 1

said. "For the Department of Defense, endeavors can be applied to aircraft, missile, rocket, ordnance spacecraft flight control and operational control. Electronic and electro-optic sensory, surveillance, warning and counter-measure systems will benefit, and many other systems will profit."

The admiral detailed an exhaustive list of uses for embedded computing in the commercial, environmental and medical communities.

Jay Crawford, acting director of ECI, thanked all of the people who had been involved. "I want to thank the people out in the community (Indian Wells Valley) who wanted to establish a local institute, specifically Slim McWilliams and Mark Sandson, who have been so supportive, even after the government took sole ownership of the concept."

McWilliams, Sandson and other community leaders formed the Committee to Establish a Research Institute in Ridgecrest (CERIR — pronounced "career") in 1989. The then Naval Weapons Center was represented on the committee by Dr. Ed Kutchma. The concept of the ECI was formed in those early years. When, due to the financial climate in industry, CERIR was unable to raise the funding to carry on, the government took full responsibility for developing the concept.

"I also want to thank Ed Kutchma for his early work and support and Elaine Wunderlich of the Commercial Applications and Transfer Office for all of her help in putting together the CRDA," said Crawford. "And I want to thank Technology Source Corporation for the trust they've shown to start off a new paradigm for doing business."

When Roy Penwell took the lectern he said he was no stranger to China Lake. In 1962 as a young Navy recruit, he said he was told if he did well in "C" school he'd get a nice assignment for his first duty station. "A little while

effectively established the ECI as a functional facility. The 18-page CRDA document was painstakingly developed to make it applicable to all of the government's potential partners in the ECI. Each of those partners will sign the same CRDA, but will also sign separate, specific statements of work. The door remains open for future cooperative agreements amongst multiple industry and university players and the government. "It's our hope that we will have this type of cooperation between companies and academia, so that we can all truly share and benefit from knowledge that's out there," Crawford said.

The next step in the agreement with Technology Source is to establish a schedule, and Crawford said he expects the actual technical work to begin within two to three months.

That work involves developing new tools for real-time, non-intrusive monitoring of embedded computers and their data buses.

In the past, explained Crawford, the only way to check to see if an embedded computer was operating properly was to invade its space with probes, which caused it to function differently. "Technology Source has already developed a device that can monitor one type of computer's buses while it is operating normally, without inserting probes," he said. "So they get a truer picture of what is really happening inside the computer."

"We (NAWCWPNS) have a need for this type of monitoring tool for new technology in embedded computers aboard aircraft, and Technology Source wants to expand this technology for monitoring other types of embedded computers," Crawford explained. "So we've agreed to work together on it."



MONUMENTAL INK—RAdm. William E. Newman signs ECI's first CRDA flanked by (l-r) Dr. John Weber, president, and Roy Penwell, CEO, of Technology Source, Capt. Douglas W. Cook and Jay Crawford, ECI.

later, as I wandered around downtown Johannesburg trying to find NOTS Inyokern, I wondered where they would have sent me if I hadn't done well in "C" school."

He said he saw three major benefits that would come from the first signing of the agreement. "First, the cooperative way of doing business is a positive change. In the past there's been an almost adversarial relationship between government and industry, so this is very positive," he continued. "Second, it will help with technology transfer of government work that is on the shelf. Industry will work at 'productizing' if you will, that technology. And third, existing commercial off-the-shelf technology can be worked into military programs."

While the ECI was formally established in December 1991 and opened the doors of its dedicated quarters at 603 Inyokern Rd. in December 1992, Thursday's signing

Pay scale windfall and other corrections...

How would you like to get a \$13,533 raise for just one increment on your next performance evaluation? Well... you can't.

And neither can those DP-As at increment 30 who, after seeing the DP pay scale in the last issue of *The Rocketeer*, thought they were going to.

In fact, increment 30 is the top of the DP-A scale, and the salaries listed for increments 31 through 34 in that column should have been in the DP-1 column.

So, for the record, the annual pay for DP-1, increment 31, is \$34,840; 32, \$35,390; 33, \$35,940; and 34, \$36,343.

While we're at it

The last issue of 1992, i.e. Dec. 17, carried the incorrect spelling of two names in the B.W. Hays Award article. Steve Tanner (not Tanna) was the Hays Award recipient for 1991, and Karen Rae (not Ray) was the Golden Rung Award winner for 1990.

McCollum to fill counsel vacancy

John McCollum has been appointed as deputy division counsel of the Naval Air Warfare Center Weapons Division. McCollum left his position as the Public Works attorney to take over the Office of Counsel position. McCollum replaces John Unpinco, who left China Lake to become a Federal judge in Guam.

Inyokern Road work set tomorrow

Inyokern Road will be undergoing repairs tomorrow, Feb. 12, from the Main Gate to Switzer Circle. Access will be limited to single-lane traffic from 7 a.m. to 4 p.m.

For information contact Norman Casey, contract warranty manager, ROICC Office, Public Works Department, 939-4407.

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Series honors China Lake's 50th Anniversary

Beauty of desert grows on first residents

By Virginia Pittinger

Our move into officers' quarters marked our return to real homemaking. With two bedrooms, a dining area, living room, a true kitchen and a small, covered porch outside, it was a giant step from the Bishop houses. One of the first things we did was to make a garden in the sand out front. Small and parched as it was, it bloomed valiantly with purple and white alyssum planted between the spokes of an old desert wagon wheel, with pink, white and purple cosmos tall against a low, white fence, and lots of blue, heat-defying strawflowers called statice.

But even while we were cultivating the bit of earth in front of our house, I became aware of my growing fascination with the natural desert around us. My initial and jaundiced view of it as a vast, empty land was yielding to a recognition of its raw, stripped-down beauty, and an appreciation of the ingenuity and tenacity of the wild things that lived there.

For sheer grit and determination to survive in a hostile environment, I had to admit there was nothing like the animal and plant life sharing that environment with us. There were small rodents, lizards, snakes, foxes, jack rabbits and probably many others that I never saw. Some of these lived their whole lives without any water except the moisture in the leaves and insects that they ate. There were yellow coreopsis and daisies, too, and desert mallow and verbena whose seeds might lie dormant in the hard earth for seven years or more, until the rain and sun were exactly right to make them sprout, grow, blossom and reseed themselves. All of these living things had adapted themselves to the lacks — and excesses — of the desert to survive.

Once I drove around a bend in the Trona Road to come upon a field of pink verbena filling a place that had been bare ground the week before—a breathtaking miracle in this astonishing desert.

After that spring I watched all the desert things that grew and bloomed throughout the year. There was the cactus — mostly barrel, prickly pear, and beaver-tail that shriveled in drought and swelled up in rain, storing the precious moisture against weeks and months without precipitation. Most of the year the cactus was grotesque, all spines and spikes and knobby lumps. Yet, in the spring they bore the most delicate, translucently beautiful pink, red and yellow flowers.

During that first December I discovered something called desert holly, a small shrub that had white holly-shaped leaves on woody white branches. It shone like a Christmas plant on the bleak table of the desert winter, and it was all the more beautiful for being totally unexpected. I learned it was scarce and very hard to find, what we would call endangered today. I can only hope it still exists somewhere to warm the winter hearts of present desert dwellers.

Then came a very special happening. For the first time since we had been on the base, there was truly a China Lake below our house. Heavy rains had fallen in quick succession, filling the lake bed that had been cracked and dry ever since we arrived. And immediately out from the muddy bottom came a transparent kind of marine life called fairy shrimp, to swim and eat and grow and reproduce, so that their young could burrow back in the mud and wait, like the seeds, for their time to emerge and complete their own life cycle.

Remembering WHEN

During each year, when the weather permitted, we took long jeep rides into the Panamint Mountains, and it was there that we came upon Seldom-Seen Slim. He said he was fifty years old or thereabouts, but he looked closer to seventy, grizzled, stringy and as dried out as the leather reins on his old burro.

He was a single-blanket prospector, he told us, meaning he did his prospecting with his burro, a little food and only one blanket to sleep in. Sometimes he was gone from his home — a wooden shack surrounded by a jumbled mess of twisted, rusted, and broken junk — for weeks at a time. He enjoyed prospecting, he said, but he was, by God, always glad to get home!

Seldom-Seen Slim was not a miner. When he found a

likely prospect of silver and the zinc that usually accompanied it in the Panamints, he would file a claim, then sell it to someone else to get out the ore. It was a subsistence-level business, but he got by and, he grinned happily, who would want to do anything different or live anywhere else anyway?

We often came across tumbledown cabins, usually near abandoned mines. There was something very sad about those walls of tipsy boards holding each other up, now sheltering only spiders, snakes, mice and pack rats. Cloth and papers left behind had been chewed into bits and pieces to make nests for animal babies. Roofs were caving in or blown away, all the windows were broken, all the wood dried up and shrunk. And everywhere there was sand — piled in corners, thick on sloping table tops and deep on splitting cupboard shelves.

I always thought only a man burning with hope and courage could have lived there in the first place. Now it was impossible not to wonder what had happened to him and his dreams.

Had there been a wife to set that table with knives and forks and food, while she loved him and hated his dreams and wished she were anywhere but there? Had there been children to run and shout and play? Or had he been alone to struggle, and hope, and finally to fail?

I was never able to believe he might have succeeded in his quest for silver. All that was left inside and outside the cabin spoke only of defeat.

During the long hot months when we had to stay nearer the base, I looked forward each day to the evenings when the sun had gone down and we could sit outside in the comparative cool of the garden. The war seemed very far away at those times, so quiet and deep was the peace of the desert. There was hardly a sound to break the stillness, and the gray, blue and pink of the sky was just a whisper in the calm.

A man who lived on the base had written a long poem about NOTS, about its extremes of heat and cold, about its wind and blowing sand, and about its isolation and lack of everything that was gentle and civilized. I remember a paraphrase of the last line that everyone was quoting — to be stationed at NOTS was to be serving in hell!

I think now, as I thought then, that the poet was wrong. And I never saw more clearly than I did on those evenings how fortunate we were to be in that peaceful place at that war-torn time.

Compu Chatter

By Donna Hanson
PC Lab

MS Word 5.0 (Mac) and WordPerfect 5.1 (DOS) compatibility

You don't need to go through a file translation process to convert MS Word documents done on the Mac for use on the PC. Choose Save As... from the File menu and select the WordPerfect file format from the list of file types. If you have a Macintosh with a Superdrive, copy the file to a 3 1/2" DOS disk. It's now readable (and formatted) for the PC user running WordPerfect.

If you receive a DOS file in WordPerfect or another DOS file format, first transfer it to your Mac (using the Superdrive is the easiest way, if you don't have one there are other methods). Select Open Any File from the File menu. If this command is not under the File menu, you can add it by selecting Com-

How to convert MS Word 5.0 on Mac to WordPerfect 5.1 on PC

mands... from the Tools menu, scroll down to "Open Any File..." and click on "ADD to Menu." When you open the file it will automatically convert from DOS into MS Word if the appropriate converter is installed. If you open a document you know was created in WordPerfect 5.1 and it does not convert, reinstall the Word program and customize the install to select the desired converters.

Re-cycled software

In case you're not aware of it, the PC Lab has a Software Re-use Library. Don't throw out software packages that are worthless to you, donate them to the PC Lab. They must be a complete package and one that has not been upgraded. All packages cost \$5 and are charged to your JO. You can also upgrade old versions through the PC Lab.

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A quick way to file your federal income tax and get any refund you're owed is by filing electronically. The forms must be filed by an individual recognized by the Internal Revenue Service as an electronic filer. The filer

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weeks' processing time. If you owe additional taxes and you decide to do your taxes electronically, you can file now and not pay until April 15. About 10.9 million tax returns were filed electronically in 1992.

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Ideas Column

By Bruce MacIntosh
Ideas Office

Wanted: Evaluations of Ideas

We need some evaluations. Do you have an IDEA to evaluate that you just haven't gotten around to doing? As we proceed to implement the new NAWCWPNS IDEAS program it is becoming more urgent that we get the responses to the IDEAS that are pending under the old system so we can close them out. The purpose of this article is to do a little "nagging" and to pass along a few tips on the evaluation process to help the evaluator help us.

1. Give the IDEA your best shot—the originator deserves the same level of effort you would want given to your proposal.

2. Call the originator and discuss the issue. Direct communication between the originator and evaluator is the best way to handle any IDEA.

3. If the IDEA is a good one and you can implement it, then do it! Just tell us what action you are taking.

4. Be timely with your answer. We set three weeks as the target response time for IDEAS. If it is going to take more

time, let us know, so we can keep the originator informed.

5. Don't get bogged down in responding to the IDEA. There is a questionnaire on the back of the transmittal memo which you can use for your response. A hand written answer to most IDEAS is fine.

6. Give specific, practical reasons why the IDEA will or won't work. If it is against the regulations, note that, but don't use it as the sole reason for recommending against the IDEA. Tell us whether you think the IDEA is a good one or not and why.

7. If the originator has proposed a solution to a problem that isn't the best one and you can think of a better way to fix the problem, let us know. We're trying to fix problems, not the solutions.

8. If you get stuck, give us a call.

If you have a question or need any information about the IDEAS process, give us a call at 939-2311, or E-mail - SCF::IDEAS, or QuickMail - "IDEAS."

NAWS China Lake complies with new START Treaty requirements

The Naval Air Warfare Center Weapons Division China Lake site is preparing to meet numerous requirements under Strategic and non-Strategic arms control agreements currently under negotiation. Agreements which could affect operations at China Lake are the Strategic Arms Reduction Treaty (START), the Chemical Weapons Convention, the Wyoming Memorandum of Understanding—a bilateral chemical weapons agreement between the United States and former Soviet Union, and the Open Skies Treaty.

The United States and four former Soviet republics, Russia, Kazakhstan, Ukraine and Belarus, are START Treaty signatories. The U.S. Senate provided advice and consent for START ratification last October; Kazakhstan has also ratified the treaty. However, Russia, Ukraine and Belarus have not yet completed the ratification process.

The 120-day START baseline inspection period will begin 45 days after the treaty enters into force. Naval Air Weapons Station China Lake has been designated as one of 34 U.S. START inspectable sites. START inspectable sites include strategic bomber bases, intercontinental ballistic missile sites, submarine launched ballistic missile

bases and other strategic offensive arms related sites, including storage, training, test and elimination facilities. NAWCWPNS is responsible for testing Trident and Poseidon submarine-launched ballistic missile first stage motors. Foreign inspection teams may inspect NAWS China Lake with as little as 16 hours of prior notification.

The CWC agreement was signed in Paris by members of the United Nations General Assembly in January of this year. Inspections can begin after 65 countries fully ratify the agreement, but no sooner than January 1995. China Lake will be subject to challenge inspections under this agreement, and inspections under provisions of the Wyoming MOU with Russia.

The Open Skies Treaty will involve flights over the majority of United States' land masses, including China Lake. It allows the participating nations an opportunity to gather data to monitor arms control compliance. When fully implemented, the treaty will allow up to 42 overflights of the U.S. annually.

Background papers concerning each of the treaties are available from the NAWS China Lake Public Affairs Office. All questions should be directed to the Public Affairs Office, 939-3788.

New 'Standards of Conduct' for DoD employees are now in effect

As of Feb. 3, the new "Standards of Ethical Conduct for Employees of the Executive Branch (5 CFR Part 2635)" became effective, superseding the Secretary of the Navy Instruction 5370.2J of March 15, 1989 and the Naval Weapons Center Instruction 5370.1F of Sept. 29, 1991. During the upcoming year, all employees of the Naval Air Warfare Center Weapons Division will be required to attend a one-hour ethics orientation, explaining the new regulation. New employees will be instructed in the standards upon orientation.

On July 23, 1991, the Office of Government Ethics published for comment a proposed rule to establish uniform standards of ethical conduct for all employees of the executive branch, which includes the Department of Defense. The proposed rule was issued pursuant to an executive order from then President George Bush, to "establish a single, comprehensive and clear set of executive-branch standards of conduct that shall be objective, reasonable and enforceable." On August 7, 1992, the Office of Government Ethics published such standards.

According to Donald Lincoln, of the Office of Counsel at the China Lake site

of the Naval Air Warfare Center Weapons Division, every department office should have a copy of this new instruction, and employees are urged to become familiar with it. Because the new regulations are intended to answer questions about the ethical conduct of more than a million individuals employed by more than 100 different Federal agencies, a synopsis has been prepared by the Office of Government Ethics to give employees enough familiarity with the contents of the regulations to recognize ethical issues when they arise and to assist in looking up relevant provisions in the regulations.

While Lincoln couldn't recall any "really big changes" in the new standards, he noted there are extensions and changes to the previous rules, and recommends all NAWCWPNS employees to become familiar with those changes.

After reviewing the regulations, if someone still has a concern, Lincoln suggests the employee write it down and submit it to the Ethics Counselor, Office of Counsel, Code C003. Employees will receive a written answer. "This (written reply) protects the employee," Lincoln said, "if the employee's actions are ever questioned at a later date."



Photo by Vicki Munro

RETIREMENT OPTIONS were reviewed by more than 300 attendees at "It's Right In Ridgcrest," a seminar co-sponsored by the City of Ridgcrest and the China Lake site of the Naval Air Warfare Center Weapons Division. Members of the Human Resources Department, John Powers and Earlene Moldenhauer, were on hand to discuss retirement matters with attendees. The department also featured a "film festival," answering many questions about retirement from federal service. People who missed the festival can check out the films, "Retirement Security: How Much Will You Need," "Life After Retirement" and "FERS Orientation Video" from the Training Center. For particular questions about retirement, NAWCWPNS employees are urged to call John Powers at 939-2574.

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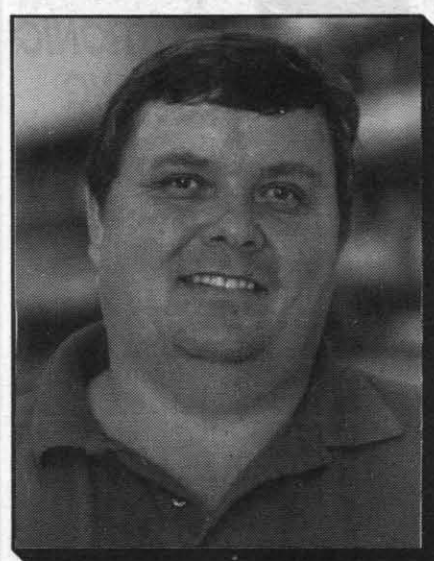
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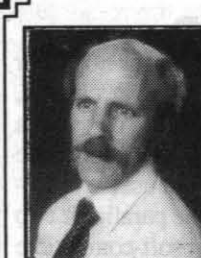
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Work honored: Development of tracking database results in Commander's Award for Merrie Giles

By Peggy Shoaf
Staff Writer

Bringing the spirit of "total quality" down to an individual level, Merrie L. Giles decided to do something when she noticed an old system was inadequate for today's workload. Using her own initiative, she created a better system, benefitting not only her department, but making her job a lot easier. This "better system" was so effective, it was accepted throughout the Naval Air Warfare Center Weapons Division, earning Giles a NAWCWPNS Commander's Award last Thursday from RAdm. William E. Newman.

Giles discovered the old way of tracking, reporting and controlling automated data processing equipment wasn't working for the Intercept Weapons Department, and without formal computer training, she developed a database that met the department's Federal Information Process Resources (FIPR) tracking requirements. This database is now being used throughout NAWCWPNS.

"As a FIPR focal point for the Intercept Weapons Department, you recognized the inadequacy of the available spreadsheet tracking system," RAdm. Newman said in the award ceremony attended by friends, co-workers and family members.

"On your own initiative, and using more advanced software, you developed a database which provided the flexible responsiveness needed to meet FIPR tracking requirements. Your willingness to share your efforts provided an immediate solution to the life cycle management tracking of FIPR and resulted in an impressive

savings to the Information Systems Department, the Naval Air Warfare Center Weapons Division and the U.S. Navy."

In the letter nominating Giles for the award, William Ball, head of the Information Systems Department, noted "an estimated savings of 2.5 man-years in development and testing time alone has already been realized."

Giles said she got the idea for creating a new database after she had trouble extracting information from the old system, an EXCEL spreadsheet. "Getting the information was rather cumbersome," she said. "There was no easy way to find out how many computers your code had ordered or what kinds were ordered. We needed a tracking system we could easily extract information from."

The database provides the flexible responsiveness needed to meet FIPR tracking requirements as well as off-center, intra- and inter-department reporting requirements, Ball said. "By the last month of FY91," he wrote in his nominating letter, "the volume of FIPR tracking data was so large it could no longer be processed efficiently in the spreadsheet format (the Information Systems Resources Management Branch) had been using for three years."

Ball noted the branch needed an automated, on-line, standardized system, which could be implemented immediately to track life-cycle management of FIPR. "(Giles) willingly worked with (the Information Systems Resources Management Branch personnel) to tailor the system to the Center-wide tracking needs," Ball said.

"She trained (Information Systems Group) personnel and assisted in training all NAWCWPNS China Lake FIPR focal points to use the tracking system."

Ball added, "(Giles) also originated and developed on-line viewing queries for use by NAWCWPNS China Lake managers. Using this system, (Giles) was able to extract meaningful report data, previously unavailable for the Information Systems Resources Management Branch personnel, Office of Comptroller personnel, Intercept Weapons Department management and off-center auditors."

The new system has been so successful, the Point Mugu site of NAWCWPNS has requested a copy of this software, Ball said.

Giles noted she only had a couple of weeks training on Ingres, a relational database software, she used to make her new database. She relied heavily on the training books supplied by the Ingres class and completed the project in only six weeks.

Altering the database so it could work for the entire division was just a matter of reprogramming it to allow for larger usage and adding more screens on the application, she said.

Giles started work at China Lake in 1984 as an employee in the Budget Office. She switched to the Intercept Weapons Department in 1989.

Her husband, Daryl, an engineer in the Fuze Technology Branch, and her mother, Marilyn Wilson, a contractor working in the Sidewinder Program Office, attended

Please see next page

Training opportunity being offered

By the Human Resources Department

(Editor's note: The following article by the Human Resources Department is required to appear in The Rocketeer exactly as it appears in the Human Resources Department Bulletin at NAWCWPNS, Point Mugu.)

A unique training opportunity is being offered in an attempt to increase the number of employees working on direct-funded efforts within the NAWCWPNS. This training opportunity, in the form of details to the following occupations, may become available as managers and supervisors across the NAWCWPNS determine the need to utilize this training mechanism:

Computer Scientist, GS/DP-1550 (this occupation has a positive degree requirement); Computer Specialist, GS/DS/DP-334; Computer Assistant, GS/DG-335; Program Analyst, GS/DA-343; Administrative Officer GS/DA-341; Electronics Technician, GS/DT-856.

Managers and supervisors of direct-funded work may make selections for these training opportunities from mini-resumes maintained in the Human Resources Department. Employees selected for and who successfully com-

plete this training may be considered for permanent reassignment to a position with equivalent promotion potential to their current position or positions previously held. Individuals are required to meet the Office of Personnel Management's Qualification Requirements (X-118) prior to permanent reassignment. (This is not an upward mobility or promotional opportunity.)

Employees interested in considering a reassignment or voluntary change to lower grade to enter a new career field may submit a mini-resume. All personnel actions taken in association with this training opportunity will be in accordance with the Department of Defense Program for Stability of Civilian Employment. Interested employees must obtain a mini-resume form from Room 100 in the Human Resources Building and return the completed form to Room 100. This training opportunity is open immediately and will remain open until further notice. Additional occupations may be added to this training opportunity as managers and supervisors indicate the need for additional occupations. For additional information regarding this training opportunity please call your Personnel Management Advisor.



THE MYSTIQUE OF DESERT CASUAL will be explored at this year's WACOM fashion show at the March 9, 11 a.m., luncheon at the Seafarer Club. L.L. and Company will be the featured entertainment. Fashions from Terry's, Dodie's, McNell's, California Kids and the WACOM Thrift Shop will be modeled. Gathered in some of their best desert casual are committee members (back l-r) Robin Cook, Sue Moulton (also a model), Pat Bonner, Patsy Pawless, Jackie Van Sickle (center), and (front l-r) Linda Lou (L.L.) Crosby, Delaney Pawless (model), Charlotte Chambliss and Peggy Lee.

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Wellness Corner

By Betty Miller
Wellness Program Coordinator

Blood testing appointments still available

There is still time to make an appointment for the annual spring cholesterol screening. This is the traditional cardiac panel of total cholesterol, high density lipoproteins, low density lipoproteins, triglycerides, glucose and total cholesterol/high density lipoprotein risk ratio. The cost will be \$5, with checks made out to National Health Lab.

Spring Blood Draw 1993 Schedule

Feb. 18 — Michelson Lab, "Little D" Conference Room (walk-ins from 8:30 to 9 a.m.)

Feb. 19 — Michelson Lab, "Little D" Conference Room (walk-ins from 8:30 to 9 a.m.)

Feb. 23 — Michelson Lab, 1000A Conference Room (in lobby) (walk-ins from 8:30 to 9 a.m.)

Feb. 24 — Michelson Lab, 1000A Conference Room (in lobby) (walk-ins from 8:30 to 9 a.m.)

Feb. 25 — Michelson Lab, "Little D" Conference Room (walk-ins from 8:30 to 9 a.m.)

March 2 — Range Control Complex, Range Headquarters, Bldg. 31457, Conference Room 104

March 3 — Armitage Field: NAF-80, Bldg. 20192

March 4 — Instrumentation Operations Building, Bldg. 32544, Conference Room 123

March 4 — Branch Medical Clinic March 5 — Thompson Lab, Bldg 31433, Conference Room 2

March 5 — Branch Medical Clinic March 9 — EWTES-for appt, send in box message to Bret Jacobson

March 10 — Public Works, Bldg. 981, Conference Room

March 11 — CLPL, CLPL Cafeteria Conference Room

March 11 — Branch Medical Clinic

Appointments are made through computer by connecting to the SCFC VAX and typing WELLNESS at both the "username" and "password" prompts. Options will appear on the screen allowing you to select the preferred time and location for your appointment. If you have access to another VAX network, log on and type "set host scfc." If you cannot make your appointment by computer, call the Wellness Program Office, 939-2468, and leave a message giving your name, code, phone number, and the date, location and time you prefer. Walk ins are scheduled at the Michelson Lab site from 8:30 to 9 a.m.

Participants must abstain from eating any food or drinking anything other than water for 12 hours before their blood draw. Alcohol should not be consumed within 24 hours of the test.

Fax repair agreement underway

Members of the Contracts Coordination Branch at the China Lake site of the Naval Air Warfare Center Weapons Division are in the process of putting together an indefinite delivery-type purchase order for repair and preventative (remedial) maintenance service on Xerox brand fax machines. This will be a per-call (time and material) agreement.

The per-call charge will be \$135 for the first half-hour, plus parts. Each additional 15 minutes will be \$27.

Until this contract is in place, employees will have to do a nine-part stub to have their fax machines repaired.

An alternative to the per-call maintenance

service would be an on-call maintenance-type service. This type of service, at a fixed fee paid on a yearly or quarterly basis, provides unlimited service calls and parts.

The following is the cost per quarter of maintenance for the on-call service for Xerox facsimile machines: Model 7010, \$68.35; Model 7011, \$62.23; Model 7012, \$59.29; Model 7017, \$87.71; Model 7020, \$114.66; Model 7021, \$128.38; Model 7024, \$66.15; Model 7032, \$109.27; and Model 7033, \$127.40.

Any one who is interested in this type of coverage, should call Annabelle Lipinski at 939-3427.

FELLOWS from Page 12

or internationally recognized experts. Significant patent or publication activity is expected.

A minimum history of contribution to the success of programs at any of the NAWCWPNS sites is also required — 12 years for Fellow, 17 for Senior Fel-

low and 20 for Distinguished Fellow.

Following the submittal deadline of March 15, candidates will be screened by the selection committee, and a list of selected nominees will be sent to current Fellows for final balloting.

Ask our dermatologist about...

Pimples and Blemishes

This week, we will have the opportunity to discuss with Dr. Jeffrey Gunter, M.D. another concern to all of us in the Ridgecrest area, namely "pimples" and "blemishes".

"I had clear skin as a teenager and now I am getting pimples. Why now, why me and please make it stop!"

Dr. Gunter says "pimples, persistent redness of the face, and blemishes are often the first sign of an adult form of acne called 'rosacea'. Rosacea generally develops in adults and may affect anyone from 20 to 70 years old. Women are somewhat more likely to get rosacea than men, however, men are more likely than women to develop the 'knobby bumps' (rhinophyma) on the nose". In addition Dr. Gunter added "red vessels on the nose and cheeks can become enlarged and dilated which is also a symptom of rosacea."

Is there a treatment for my adult acne (rosacea)?

Dr. Gunter says "yes, there are a variety of treatments both topical and oral available for rosacea. These treatments can eliminate or decrease the symptoms of the disease. Also some treatments may slow or even stop the progression of rosacea. Treatment can decrease the redness and control the number of pimples. We can also eliminate the red dilated vessels."

Can anything make my adult acne (rosacea) worse?

Dr. Gunter says "certain things are known

to aggravate rosacea. These include spicy food, hot liquids, alcohol, exposure to extreme hot or cold and stress. "In general" Dr. Gunter added "to wear a sunscreen of SPF 15 or higher when prolonged sun exposure is expected as this can prevent the rosacea from becoming worse."

What can be done for teenage pimples and how can I prevent scarring?

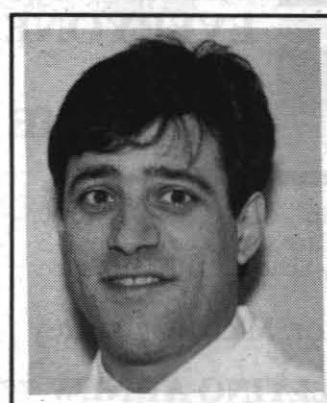
Dr. Gunter says "there are numerous new topical and oral treatments for teenage pimples. For scarring and more resistant cases, retinoids (such as Accutane) may be used under the supervision of a board-certified dermatologist. More recent studies have shown the alphas hydroxy acids alone or in conjunction with Retin-A to also be beneficial."

If I want treatment for my acne, do I have to take oral medication?

Dr. Gunter states that "there are a number of topical prescription medications which can help to prevent and treat pimples without requiring the patient to take oral medications. Nevertheless more severe cases and those which are scarring usually require more aggressive treatment."

Dr. Jeffrey Gunter, M.D. is a board-certified dermatologist and is an assistant clinical professor of dermatology at the USC School of Medicine with a private practice in Ridgecrest.

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the awards ceremony. Daryl is very impressed with his wife's accomplishments. "The Ingres is on the VAX," he said, "and that is very different from the Macintosh (the computer his wife is most familiar with). The VAX can be to understand," he said admiringly.

Future plans for this innovative worker are to take some computer classes at the local college. "I think with training it will be even easier," she said laughingly. "I could probably do a lot more with additional (computer) languages."

INITIATIVE To improve an inefficient system resulted in RAdm. Newman presenting a NAWCWPNS Commander's Award to Merrie Giles.

Photo by Terry Pascorella



CSUB, CSUN academic advisors visit China Lake

CSUB

Academic counselors of California State University, Bakersfield will be at China Lake March 17 to advise current and prospective students in the external degree programs offered by the school at China Lake.

Programs offered include a bachelor's degree program in business administration and a master's degree program in administration.

CSUN

Professor Deborah Van Alphen of California State University,

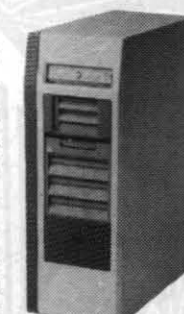
Northridge, will be at China Lake Feb. 19 to advise current and prospective students in the master's degree program in electrical engineering offered by the school.

To make an appointment to see one of these counselors, please call Denise at 939-2648.

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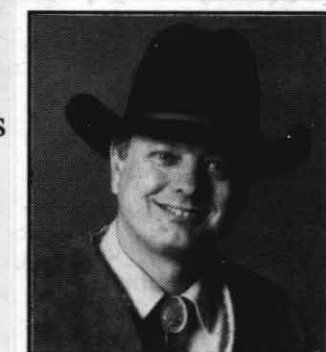
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If you desire the same, write to Steve at P.O. Box 1723, Ridgecrest, Calif. 93556.

Government auction set

Local Auction 41-3299 of surplus government property will be held by the Defense Reutilization and Marketing Office, also known as the DRMO, at China Lake, Tuesday, Feb. 23. The auction will begin at 9 a.m. in Building 1073, Warehouse 41, and the public is encouraged to bid.

Among the more than 250 items to be offered will be PCs, printers, electrical and electronic test equipment, typewriters, radial arm saws, safes, drafting tables, comparator, clothing, label machine, microscopes, laboratory equipment, shelving, work benches and pickup trucks.

Items will be on display Feb. 18, 19 and 22 from 7:30 a.m. to 2:30 p.m. A complete list, as well as sales terms and conditions, can be seen at the warehouse.

Registration will begin at 7:30 a.m. on the day of the sale. Bidders must be present and registered to bid. Mailed bids cannot be accepted. Items purchased may be removed on the sale date, provided full payment is made. Payment must be in cash or guaranteed instrument (cashier's check, money order, traveler's check and so forth). Unless otherwise specified, purchasers have until March 3 to pay for and remove the items.

Because the DRMO is located within the interior security fence line, airfield area access is required for those holding Naval Air Weapons Station China Lake passes. People who do not have an "A" on their pass must stop at the Visitors' Center at the front gate for clearance. A photo identification will be needed.

The DRMO can be reached via the Sandquist Gate. The gate is open from 6 to 8 a.m., 11 a.m. to 1 p.m. and 3 to 6 p.m. Those wishing to reach the DRMO at other times must use the Lauritsen Gate.

For more information, call 939-2502/2538.

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Fellows programs merge, nominations due

Last June seven China Lakers were inducted into an esteemed technical coterie, then known as the Naval Weapons Center Fellows Program. A similar program at the Point Mugu site of the Naval Air Warfare Center Weapons Division is being consolidated with the China Lake program, emerging as the NAWCWPNS Fellows Program. The call is out for nominations for the 1993 selection process.

Nominations are due by Monday, March 15.

The Fellows Program provides formal peer recognition for those individuals who make continued and outstanding original contributions to the technical success of the Weapons Division.

All technical NAWCWPNS employees are eligible for the Fellow designation, whether engineer, scientist, mathematician or other technologist engaged in research, development, test and evaluation, production process development, quality control or other technical activities.

While there are separate fellow selection committees at both China Lake and Point Mugu, because of the mixing of personnel from both sites within departments, Fellow candidates may be nominated by associates from either site. Candidates will be screened by the selection

committees of their specific sites, regardless of the site originating the nomination.

Any NAWCWPNS employee may nominate a candidate by submitting necessary documentation, including the nominee's name, educational background, accomplishments, patents, publications and technical input (NAWCWPNS, national or international). While nominations may be made anonymously, doing so will make it difficult to get additional information if it is required.

China Lake Site Fellow Selection Committee Chairman Jon Rogerson and Co-chairman Marc Moulton stressed that the contributions for which someone is nominated must highlight the candidate's original work. "And it doesn't have to be a gadget," said Moulton. "It could be a new method of analysis or a new process of some kind."

Nominations should be submitted to the department technical staff selection committee. If no such committee exists, nominations can be submitted directly to the selection committee, which comprises Rogerson, Code C3211, 939-7497; Moulton, Code C2874, 939-8474; and department chairpersons Dorothy Saitz, Code C2185, 939-3351; Richard Hughes, Code C28205, 939-2654; Henry Blazek, Code C2547, 939-1370; May

Chan, Code C02391, 939-7265; Dave Andes, Code C2903, 939-3848; Pat Keller, Code C32342, 939-6350; Randy Gamble, Code C3923, 939-6016; Art Clayson, Code C2767, 927-2997; and Bob Schwartz, Code C025, 939-1655. Beyond accepting nominations, these individuals can also answer questions about the program.

There are three levels of recognition in the program: Fellow, Senior Fellow and Distinguished Fellow. Those designated as Fellows shall be recognized as leading experts in their fields and shall have made identifiable original technical contributions critical to NAWCWPNS programs. Patent or publication activity and recognition of capability by the technical community outside the Weapons Division is typical.

Senior Fellows shall have clearly extended the state of the art in their fields and made original sustained, wide-ranging and crucial contributions to NAWCWPNS programs. Patent or publication activity and recognition of capability by the technical community outside the Weapons Division is expected.

Distinguished Fellows shall have made pioneering developments in one or more technical fields of direct benefit to NAWCWPNS. They will be nationally

Please see **FELLOWS**, Page 14

Supply News

Variety of items are available at Telmart

By Anita Becker
Code C821

Telmart, the Naval Air Weapons Station China Lake Supply Department warehouse, has a wide variety of new items available from GSA that are compatible with commercial products.

There are a couple of GSA catalogs available for browsing at Warehouse 10. Many of these catalog items are being carried at the warehouse.

Call Technical, 939-2178, to see if the item you need is in stock or if it can be stocked prior to ordering it through outside vendors or Spedi to save money.

Items being carried for emergencies include the Emergency Support Unit, which has the basics for immediate emergency response that sustains one person for three days, LLL920097; a First Aid kit, general purpose, for use in aircraft or watercraft requiring a panel-mounted case, 009196650; and a First Aid kit, general purpose, for use in truck or bus, 009221200.

DAWIA: Tuition assistance funding suspended, general briefings begin week of Feb. 23

Tuition assistance funding for academic coursework required under the Defense Acquisition Workforce Improvement Act has been suspended, noted Nancy Saxton, DAWIA program administrator for the Naval Air Warfare Center Weapons Division.

According to a letter from the Department of the Navy Office of the Assistant Secretary, the suspension of Acquisition Workforce Tuition Assistance funding is the result of a congressionally-mandated reduction in training program funds under the cognizance of the director, Acquisition Career Management.

While the educational requirements remain the same, the program can't help pay for these classes at this time, Saxton said. If funding does become available for this training, she added, affected parties will be notified. Any questions related to this subject can be directed to Saxton at 939-3129.

For those employees who have already attended mandatory DAWIA training, or are confirmed to attend, information in blocks 1, 2, 15(a & b), 16(b), 18(a & b) and 19(a, b & c) on DD Form 1556 (Off-Center Training Request) is needed, Saxton said, to receive DAWIA credit. Because this is for credit only and not a request for training, Saxton said employees should write "FCO" (for credit only) in the top right corner of the form, on the amendment line and send the completed form to Code C622.

With the passage of DAWIA in 1990, the Department of Defense started identifying "acquisition workforce" members. Implementation of the act creates a pool of DoD acquisition professionals, both military and civilian. Approximately 30,000 to 35,000 acquisition professional billets have already been identified DoD-wide, 4,000 of which are in NAWCWPNS, Saxton said.

NAWCWPNS' employees in acquisition positions should have already received or will soon receive notification they are in the acquisition workforce, Saxton said. People receiving such notification are urged to attend the two-hour overview briefings that begin the week of Feb. 23 and continue through March. The schedule for the briefings will be contained in the notification letter.

Saxton recommends employees who missed the briefings (for DP-4s and above and supervisors) in December attend one of the upcoming sessions.

Military personnel working in the acquisition workforce may attend these sessions, but are reminded that although the program requirements are the same for both military and civilian personnel, the program policy relates to civilians.

Full DAWIA implementation is set for Oct. 1.

All Faith Chapel Catholic congregation shows film in honor of Lent

In honor of the upcoming holy season, members of the Catholic congregation of the All Faith Chapel will present "Creating Family, Intimacy, Love and Sex." This five-part film series with Clayton C. Barbeau will be screened Sundays from 4 to 5:30 p.m. beginning Feb. 27 in the East Wing of the All Faith Chapel.

Child care will be provided for ages nine and under; however, space is limited and registration is required. Registration may be made by calling 939-2773.

The film series' schedule is: Feb. 27, The Husband/Wife Relationship; March 7, Creating Family;

March 14, The Male/Female Crisis; March 21, Teens, Singles and Love vs. Sex; and March 28, Parents as Role Models.

"Where you place your time, you place your life. Where you place your life, you place your love" — with these few words as his theme, Barbeau, family counselor, husband and father of eight, treats his audience to five presentations on how they can deepen their commitment to marriage and the family.

According to Barbeau, marriages and healthy families do not just happen, they have to be created. In the

films, Barbeau shows the kind of personal effort and commitment needed for that task. The films are designed to give audiences a deeper understanding of the "sacramental" experience that lies at the heart of marriage and family.

The film series addresses questions of concern by many segments of today's society—men, women and teens, especially senior high teens. The series can offer new insights into people's personal relations, whether they are single or a member of either a traditional, extended or single-parent family.



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PERSONNEL NEWS

PROMOTIONAL OPPORTUNITIES

Applications for positions listed below are being accepted from Department of Navy Employees currently listed at NAWC, China Lake and from eligible employees who are permanently assigned to the China Lake area. The following positions are open to 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 community 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 general and regulatory qualifications, including minimum qualifications, by the closing date of the announcement. 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. 12662, 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 individual's performance), 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 123532, 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 Bandy. 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 analysis 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 serving 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/branch. (NAWPCENINST 12792.2, 14 Dec 90)

MERIT PROMOTION

No. 00-003, Patent Clerk (Typing), DG-303-1/2, Code C003—This position is located in the Office of Counsel, Patent Division, NAWCWPNS, China Lake. The incumbent is responsible for support to the clerical operations established by the NAWCWPNS Patent Counsel in support of the Navy Patent Program conducted on behalf of the Chief of Naval Research. Prepares correspondence, reports, and legal documents as required apart from processing invention disclosures. Assists in the maintenance and record keeping of attorney's dockets and files of invention disclosures and prepares applications, including statutory bar cases. Deals directly with all levels of NAWCWPNS and NAVAIR management, inventors, the Office of Naval Research, U.S. Patent and Trademark Office, and government contractors. Experience with word processing personal computer and software is desirable. **Job-Relevant Criteria:** Skill in grammar, punctuation, and spelling; ability to communicate effectively orally; ability to communicate effectively in writing; and ability to deal effectively among technical and functional personnel with pace and tactfulness. Promotion potential to DG-2. This ad opens on 11 February and closes on 25 February.

No. 004-MZ-93, Supervisory Moral, Welfare and Recreation Programs Manager, GS-1101-07, Moral, Welfare and Recreation Division Code P703, Naval Air Warfare Center Weapons Division, San Nicholas Island (SNI)—The incumbent leads the maintenance and operation of the electric power generation plant; emergency power generators; air compressors; collection, pumping, distribution, storage, and treatment of portable water and sewage including pumps, components, etc. Monitors performance and assigns tasks to ensure proper operation, maintenance, and minor repair of utilities equipment. Writes work order requests for jobs and requisitions material and equipment. Reviews operational log sheet and initiates corrective action. **Quality-Ranking Factor:** Ability to perform the duties of the position with normal supervision. This position will be filled at the WL-10 grade level. Position is at full performance level. **PROMOTION IS NOT GUARANTEED.** Applications may be submitted to China Lake's Human Resources Department, Room 100, NLT 1700 of the closing date or may be sent directly to the Human Resources Department, Naval Air Warfare Center, Weapons Division, ATTN: Marcela Zaragoza, Post Mugu, CA, 93402-5002. Mailed applications must be postmarked NLT the closing date. Point of contact is Marcela Zaragoza, AV 351-3230. Permanent Change of Station (PCS) is not authorized. This ad opens on 11 February and closes on 25 February.

No. 63-001, Computer Scientist, DP-1550-1, Code C631—This position is a Computer Scientist located in the China Lake Data and Video Branch, Code C6311. Incumbent develops, operates, and maintains E-mail networks/bridges directory services, and hardware/software related to the support of corporate E-mail services. Additional duties include analysis of user requirements and planning, designing, specifying, and integrating computer networks with emphasis on networks interfacing to the China Lake Net and Fiber Optics Trunk System (FOTS) as part of the Centerwide Integrated Communications System (ICIS) Program. **Job-Relevant Criteria:** Knowledge of Simple Mail Transfer Protocol (SMTP), QuickMail, Unix, DOS, X.400/500 and TCP/IP; knowledge of and ability with architectures and implementations of local and wide-area networks; ability to work well with users and coworkers under pressure, and to adjust to changes in work priority; and the ability to communicate well both orally and in writing. Promotion potential to DP-3, but not guaranteed. Permanent Change of Station (PCS) expenses are authorized. This ad opens on 11 February and closes on 25 February.

No. 63-003, Electronics Engineer/Computer Scientist, DP-8551550-3, Code C632—The Scientific Computing Facility (SCF) Operations Branch, Information Systems Department, has an opening for a UNIX System Administrator to lead the team responsible for all UNIX operations work at the facility. The Team Leader has both technical and management responsibilities. The incumbent is in charge of the operation of the SCF Cray X-MP EA-116 supercomputer and guide the training of both business and S&E applications to client/server and distributed UNIX operations. As well as performing system administration duties

on UNIX platforms, the Team Leader has oversight responsibility for the work of a Systems Programmer, a Hardware Engineer, UNIX System Administrator and Operations. Additionally, the incumbent works with SCF customers, answers questions about operating system commands and procedures, and provides assistance to help users get their UNIX jobs submitted and returned completed. The Team Leader is COTR on the 5-year Cray GFE contract. **Job-Relevant Criteria:** Knowledge of and ability to perform UNIX System Administration, preferably in both classified and unclassified environments; knowledge and skill in software installation and in writing startup/shutdown, cron, and other scripts for control of UNIX platforms and peripherals; ability to work with X-windows, file backups and tape management; and the ability to work well with motivated, and direct a highly competent technical staff, and ability to interact with demanding customers. Overtime on short notice and travel for training and conferences are both required on occasion. This ad opens on 11 February and closes on 25 February.

No. C63-004, Supervisory Computer Specialist, DP/DS-334-3—This position is that of Head, Telecommunications Branch, Code C6314. The Telecommunications Branch is primarily responsible for the Life Cycle Management (LCM) of the Center Telecommunications System (CTS). This LCM responsibility includes the planning, analysis, definition, and coordination necessary to specify, procure, design, integrate, and operate voice communications systems, as well as data and image/video networks operating through the CTS. The Branch also is responsible for the liaison, coordination, and planning with internal NAWCWPNS China Lake organizations and external organizations (e.g., NAVAIR, NAVCOMTELECOM, DASN (IRM)) to support Navy telecommunication programs. The prime function of this position is to manage and coordinate activities to provide: corporate telecommunications facilities; telecommunications QA/QM; security; analysis, design, implementation, documentation, and maintenance of voice communications; coordination with and support of video and data networks; project planning and contracting for corporate telecommunications equipment and services; and administration of digital switches, fiber optics, LANs and bridges; knowledge and understanding of quality assurance methodologies and concepts of network management; knowledge of and experience with telephone systems; ability to plan, organize, coordinate, and manage multiple technical projects; ability to effectively deal with contractors and vendors; ability to work well under pressure and adjust to schedule and budgetary changes; ability to influence and motivate others; ability to communicate well, both orally and in writing. This position has been identified as being an "Acquisition Professional" position under the Defense Acquisition Workforce Improvement Act. The Act mandates certain education, training, and experience requirements which may impact the incumbent. Additional information concerning these requirements is available in the Civilian Personnel Office. The incumbent may be required to serve a 1-year supervisory probationary period. The incumbent must be able to obtain and maintain a Secret clearance. Permanent Change in Station (PCS) is authorized. Promotional potential to DP-4, but not guaranteed. This ad opens on 11 February and closes on 25 February.

No. 84-004, Firefighter, GS-081-3/4/5, Code 842—This position is located in the Fire Division of the Safety and Security Department, Naval Air Warfare Center, China Lake. Person selected will perform basic tasks required to carry out fire protection and prevention programs. This work involves various hazards associated with fire. As a condition of employment, person selected will be trained to combat a variety of fires including structural, aircraft, explosive, fuel, and propellant fires. **Job-Relevant Criteria:** Knowledge of basic firefighting techniques; ability to understand and carry out instructions regarding the use and maintenance of firefighting equipment; and ability to work under extreme conditions of heavy physical exertion, heat, smoke, and dust; elevated and enclosed spaces, smoke-filled spaces and in all conditions of weather. For GS-5, the additional job-relevant criteria is knowledge of fire prevention and training practices and procedures. Current Emergency Medical Technician (EMT) rating is desirable. **See notice regarding drug testing designated positions.** Permanent Change of Station (PCS) will not be authorized. Job-relevant criteria must be addressed as an enclosure to the SF-171. Promotion potential to GS-5, but not guaranteed. This ad opens on 11 February and closes on 25 February.

No. 84-005, Supervisory Firefighter, DG-081-4, Code C642—This position is that of Station Captain, located in the Fire Division of the Safety and Security Department, Naval Air Warfare Center, China Lake. The incumbent is responsible for providing direct supervision to firefighting crews, including emergency medical personnel, located at one of the site's three fire stations. **Job-Relevant Criteria:** Knowledge of all phases of structural and aircraft firefighting; ability to communicate in writing; knowledge of affirmative action principles including a willingness to support EEO goals and policies; ability to perform as first-level supervisor; and ability to motivate and influence others. Incumbent may be required to serve a 1-year probationary period. Position is at full performance level. Permanent Change of Station (PCS) is authorized. This ad opens on 11 February and closes on 25 February.

No. 84-006, Lead Firefighter, GS-0081-7, Code 842—This position is located in the Fire Division, Safety and Security Department, Naval Air Warfare Center, China Lake. Incumbent is crew chief of a major piece of motorized firefighting apparatus and its crew. Duties include answering fire alarms; instructing crew in operation of fire equipment and in all phases of firefighting, and directing firefighting operations in the absence of higher authority. **Job-Relevant Criteria:** Knowledge of fire prevention practices; knowledge of locations (streets, water distribution, alarm/detection systems, building contents/layout, etc.); ability to communicate in writing; and ability to motivate and influence others. Announcement will be used to establish the promotion register for Lead Firefighter which will be in effect through February 1994. There are no current vacancies. This ad opens on 11 February and closes on 25 February.

No. C85-002, FACILITY MANAGEMENT SPECIALIST, DA-1640-2, CODE C8505—This position is the Facility Management Specialist for the Weapons Department. The incumbent manages and provides technical direction necessary to maintain department infrastructure and associated utilities. Provides technical guidance during pre-construction meetings pertaining to the repair and alteration of minor and major construction projects. Reviews blueprints and designs for new construction or the upgrading of current facilities and advises the designers of the unique safety and security requirements based on the purpose of the facility and the interpretation of current policies. Incumbent prepares plans and specifications for alterations to explosive facilities. Incumbent prepares detailed documentation for submission to the Investment Review Board. Incumbent is responsible for review of installation and maintenance of remote control and monitoring equipment in special purpose facilities. This includes electrical grounding checks of specialized ammunition storage facilities. The incumbent conducts funding analyses and prioritizes the upkeep and maintenance of department facilities, grounds, and utilities and makes recommendations during budget reviews. The incumbent will be the department environmental coordinator. **Job-Relevant Criteria:** Knowledge of facilities equipment and space requirements and procedures; knowledge of environmental and hazardous materials regulations; knowledge of a broad range of explosive disciplines; ability to plan, coordinate, and prioritize multiple tasks simultaneously; ability to communicate orally; and in writing. Full performance level is DA-3. This announcement opens on 11 February and closes on 18 February.

No. 86-003, Child Development Center Director, DS-1701-3, Naval Air Warfare Station, China Lake—This position is located in the Child Development Center, Moral, Welfare and Recreation Department, China Lake. The incumbent develops, implements, and conducts child care programs for early childhood and development and stimulates and sustains physical and educational development. Supervises and directs both administrative and technical NAFI and Civil Service personnel. Incumbent works independently without close supervision and performs most assignments with instructions as to the general results expected. Must have a bachelor's degree or equivalent, extensive advance education, and/or experience in Early Childhood Education, and must otherwise meet all qualification requirements at the GS-11 level of the application standard in the Office of Personnel Management Handbook X-118. **Job-Relevant Criteria:** Ability to analyze problems and reach solutions; ability and willingness to implement EEO and personnel policies, practices, and principles; skill in dealing with all levels of personnel with diverse backgrounds. Incumbent may be required to serve a 1-year supervisory probationary period. No known promotion potential. Permanent Change of Station (PCS) is authorized. This ad opens on 11 February and closes on 25 February.

MAC USERS GROUP MEETING WILL FEATURE WORD AND QUICKMAIL INFORMATION
The next meeting of the NAWC Macintosh Users Group is scheduled for Friday, 19 February, 1300 at the NAWC Conference Center (former Chiefs' Club) in the Sierra Room.

All government and contractor users of Macintosh computers are invited to this meeting, which will feature a variety of topics to inform the China Lake Mac community on new developments designed to improve productivity on the job.

The following presentations will be featured: a discussion of QuickMail features and problems by Dave Allen, Information Systems Department; Microsoft Word tips by Donnie Goetting, who frequently offers training sessions on this popular word-processing program through the Human Resources Department; a demonstration of the Meeting Maker groupware scheduling software package by Chuck Jones of the Information Systems Department; and an update on Mac hardware and software by Richard Schleis, Senior Systems Engineer, Apple Computer, Inc.

As time allows, all presenters will answer questions and respond to feedback from attendees. To obtain further information or ask questions, call Liz Babcock, 939-2849 (Code C6406)

SECRETARIAL OPPORTUNITIES

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

Applicants will be rated against four or more of the following job relevant criteria: (1) ability to perform receptionist and telephone duties; (2) ability to review, track, screen and distribute incoming mail; (3) ability to review outgoing correspondence; (4) ability to compose correspondence and/or prepare non-technical reports; (5) knowledge of filing systems and files management; (6) ability to meet the administrative needs of the office; (7) ability to train clerical personnel and organize workload of clerical staff processes; (8) ability to plan and coordinate travel arrangements; (9) ability to maintain and coordinate supervisor's calendar and to arrange conferences. Unless otherwise indicated, applicants for branch secretary will be rated on elements 1/2/3/5/8; division secretary applicants will be rated on elements 1/2/3/4/7/8/9; Program Office secretary applicants will be rated on elements 1/2/3/4/5/8/9; and department secretary applicants will be rated on elements 4/7/8/9. A SUPPLEMENTAL FORM IS REQUIRED AND MAY BE OBTAINED IN ROOM 100 OF THE PERSONNEL BUILDING.

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

To enroll in this course submit Training Request Form (NAWPCNEN 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. (Code C62201)



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

Submit items to: Code C08033; FAX 939-2796, Barry McDonald

CHINA LAKE TELECOMMUNICATIONS BRANCH IS MOVING

The China Lake Telecommunications Branch (formerly the Telephone Services Branch) Code C6314 is moving because Bldg. 00002 is going to be renovated. The new office address is 1615 Hussey (the old duplexes), all the phone numbers will remain the same. (Code C6314)

LOST HP MODULES

Two HP modules were delivered to NAWC in late December or early January. Due to mislabeling by HP, the modules were delivered to the wrong code. An unknown person was called to pick up the modules and that person claimed them. Code C2565 needs these modules returned ASAP. The items missing are HP Model 35655A, eight channel input module and HP Model 35656A, DAC module.

If anyone has or knows who has the two modules call Derek Cooper at 939-4641 or Shawn Hertz at 939-4627. (Code C2565)

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JON WUNDERLICH TO SPEAK ON CAREER PATH TO SENIOR EXECUTIVE SERVICE (SES) POSITIONS

The China Lake Women in Science and Engineering (CLWISE) will conduct their first buffet luncheon of 1993 on Tuesday, 23 February, from 1130 to 1300 at Farris' at the Heritage Banquet Room.

John Wunderlich, Head of the Intercept Weapons Department (Code C29), will address initiatives for moving forward in the workforce. He will cover ways to proactively look for people to mentor and will discuss some of his experiences.

Lunch will include Hawaiian chicken, oriental noodles, rice, green salad, fruit, and beverage for \$7.50 per person, including tip. RSVP by Friday, 19 February, 1400 by mailing a non-refundable check for \$7.50, payable to "Farris" to Vicki Fernandez, Code C623. For additional information, call Vicki Fernandez at 927-3701 or Melissa Lytell at 939-3317. Everyone is welcome. (Code C623)

GRUMMAN'S Z-TECHNOLOGY

Personnel from the Grumman facility at Irvine, Calif. will present a briefing at China Lake on Thursday, 25 February, from 1300 to 1400, in Mich Lab, Room 1000A. The briefing will highlight the technology growth that has taken place with Grumman, Irvine, since 1976 and will specifically focus on the Z-Technology focal plane work. As a wrap-up, Grumman will provide a short status on the progress of the Follow-on Early Warning Systems program and its applicability to world-wide users.

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

RESEARCH PROJECTS AT THE NAVAL POSTGRADUATE SCHOOL

Do you want to know the "Islamist View of the United States in a Post Cold War Environment"? Do you want to "brush up" on the "Expanding Chinese Naval Power and Maritime Security in Southeast Asia"? Or maybe you are interested in "The Use of Multiple-Valued Logic in the Design of Digital Systems," or "Design Principles for Very High-Speed Digital Circuits and Systems."

Come to the Technical Library! We will help you locate the above reports and others listed in the latest bibliography of recent research projects at the Postgraduate School in Monterey, Calif. The bibliography comprises studies in the following areas: National Security Affairs, Computer Science, Physics, Electrical and Computer Engineering, Meteorology, Oceanography, Mechanical Engineering, C3 Joint Group, and many others.

These intriguing reports are waiting for you at the Library. For further information, call the reference desk at 939-3380 or 939-0744. (Code C6432)

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 wafer 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. (Code 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.

XEROX FACSIMILE (FAX MACHINES)

The Contracts Coordination Branch (C6331) is in the process of putting together an indefinite delivery-type purchase order for repair and preventative/remedial maintenance service on Xerox brand fax machines. This will be a per-call (time and material) agreement. Until this contract is in place you will have to prepare a 9-part stub to have your fax machine repaired.

An alternative to the per-call maintenance service would be an on-call maintenance-type contract. This type of service provides unlimited service calls and parts for a fixed fee paid on a yearly or quarterly basis. The following is the cost of maintenance for the various Xerox facsimiles.

Model	Cost Per Quarter (3 Mos)
7010	\$68.35
7011	\$62.23
7012	\$59.29
7017	\$87.71
7020	\$114.66
7021	\$128.38
7024	\$66.15
7032	\$109.27
7033	\$127.40

Anyone interested in this type of coverage should call Annabelle Lipinski at 939-3427. (Code C6331)

PRINTED WIRING BOARD TECHNOLOGY DESIGN AND MANUFACTURING COURSE

The Electronics Production Technology Training Office (Code C25812) is introducing a new course focusing on the design and manufacturing aspects of printed wiring boards (PWBs). The course will introduce students to the Standards associated with PWBs, the materials selection criteria, layout and design of the PWB, and how it may affect the manufacturing steps, and inspection criteria. All types of printed wiring boards will be addressed. The course provides an excellent base for new designers as well as those experienced in the technology.

The course will begin on 23 February at the Electronics Production Technology Training Facility, 543 Graaf St., Ridgecrest and is 24 hours long. The course is available to military and civilian employees of NAWC and NAWS and to contractor personnel. To obtain more information or to schedule the class, contact the Electronics Production Technology Training Facility at 446-5571. (Code C25812)

IMAGERY IN THE COCKPIT

During Operation Desert Shield and Desert Storm, there were significant intelligence/targeting assets available to field commanders. The ability, however, to get that information, especially imagery around the battlefield, was very limited.

Recognizing that, Hughes Aircraft Company's Reconnaissance System Division examined various ways to address that problem. Their initial approach resulted in passing a high resolution ASARS-2 image from one lab to another over a standard telephone line. During this demo, they used Macintosh computers and STU IIs. Further investigation led to the subject presentation.

Bob Chiota of Hughes Aircraft company will describe lab and field demonstrations which involved the innovative use of equipment already fielded, to pass ASARS-2 derived high-resolution imagery to fighter aircraft. The presentation will also address architecture for secondary imagery dissemination to the fleet around the battlefield, and to the special operating forces.

This meeting will be held on 16 February, 1400 at Mich Lab, Room B/C. For further information call 939-1074, Mich Lab, Room 1008. (Code C0254)

M/A-COM GMIC BRIEF

M/A-COM Inc., representatives will be at China Lake on 11 February, 0930-1130, in Lauritsen Lab, Conference Room 2, to give a brief on a new fabrication technology called glass microwave integrated circuit (GMIC). The presentation will include GMIC technical discussions, manufacturing considerations, packaging options, GMIC applications, application to higher level assemblies, and T/R module applications. For further information contact: R. J. Schramm at 939-3715 or West Katzenstein at 939-0361. (Code C2156)

RECARPETING OF THE TECHNICAL LIBRARY

The Technical Library Division, Code C643, would like to inform its clientele of a 4 weeks interruption in services beginning 28 January for recarpeting. We will have to move files, work areas, and equipment, most of the work will take place on Thursdays, Fridays, and Mondays. Although the library will remain open, we ask that you schedule your library needs on Tuesdays and Wednesdays. We regret this inconvenience, but it is necessary in order to maintain a professional atmosphere for our customers. (Code C643)

HAL JEFFERS

Hal Jeffers, (C32204) Range Safety Officer, will be retiring on 1 February. A farewell dinner will be held in his honor on at the Heritage Inn Flight Deck room on Friday, 19 February at 1800. A buffet dinner will be served by Farris' featuring two entrees, two salads, rice pilaf, potatoes, vegetable, rolls and butter, and choice of beverage. The cost will be \$12 per person, including gratuity. For tickets, presentations, or gift donations contact Sandi Jennings at 939-6811 or Ann Wagner at 939-6033 by 11 February.

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.

Barbara Herbstreit, Math Technician, Code C2818.
Barbara is indebted for leave due to lumbar radiculopathy surgery.

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.

Diane Richardson, Program Analyst, Code C2708.
Diane underwent foot surgery and is home recovering. She is indebted for leave.

Mary Ann Hiser, Engineering Data Management Specialist, Code C2556.
Mary Ann was hospitalized with pneumonia and bronchial asthma.

Pamela Carpenter, Chemist, Code C2714.
Pamela is indebted for leave due to hospitalization for hyper emissis gravatus.

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.

Deborah A. Birch, Secretary, Code C392A.
Deborah received treatment for breast cancer and is indebted for leave.

Alvina S. Quintanilla, Contract Specialist, Code C654.
Alvina is undergoing daily radiation therapy for inoperable cancer of the naso-pharynx.

NAVY SYSTEMS ACQUISITION (32 hrs.)

2-5 March; Tuesday-Friday, 0800-1600; Training Center. By: **Al Cahill, Consultant**

REQUIRED FOR ENROLLEES IN THE TMC PROGRAM

This class provides the participants with a comprehensive understanding of how the Department of the Navy (DON) conducts systems acquisition. Its purpose is the preparation/upgrading of military officers and civilian personnel for assignments in all aspects of Navy Systems Acquisition. The participants are introduced to the system acquisition environment in the DON and the DON. Building on that fundamental knowledge, DON system acquisition policy and procedures are discussed specifically. The course focuses on the unique ways in which the DON is organized to conduct systems acquisition. Case studies allow the participants to continually reinforce the course learning objectives by applying the concepts, principles, and procedures described during classroom lecture/discussion sessions.

Deadline: 16 February.

STRESS AND YOUR BODY (4 hrs.)

19 February; Friday, 1230-1630; Training Center. By: **Dr. Wes Youngberg, Consultant**

This seminar deals with the impact stress has on our various body systems and its consequences on acute and chronic disease. Emphasis will be placed on the latest scientific studies showing the effects of various types of stress on the immune, cardiovascular, gastrointestinal, and other systems. Two short questionnaires will be handed out to help participants understand the types and level of stress in their lives. The most appropriate options for coping with stress will be examined. Techniques for short- and long-term stress management will be taught. Discussion will include the unhealthy effect of too much good stress and the potentially healthful influence of some bad stress. The role of diet, exercise, and chemical dependency on stress will be discussed. Many handouts will be given along with adequate time for questions.

Deadline: 16 February.

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

HIV/AIDS IN THE WORKPLACE (3 hrs.)

24 February; Wednesday, 1300-1600; Training Center. By: **COSAA/Gloria Delgado et al**

This course meets the annual refresher for supervisory staff. The course will address the problems associated with HIV/AIDS in the workplace, including confidentiality, universal protection, and employee/employer rights. The course will explain the ramifications of HIV/AIDS in 1992, and will emphasize that the disease is a heterosexual disease, which will eventually affect everyone in one way or another. It will provide information for both supervisors and employees and will discuss federal and state laws regarding HIV/AIDS and confidentiality.

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

MISSILE GUIDANCE & CONTROL (16 hrs.)

16-17 March; Tuesday-Wednesday, 0800-1600; Training Center. By: **Dr. Titus, Consultant**

REQUIRED FOR ENROLLEES IN THE SEC PROGRAM

The principal objective of the course is to update practicing engineers on active, semiautomatic, and passive sensors as used in modern missiles and the application of control systems theory to the problem of missile guidance and control. The learning objectives for this course are:

- To achieve an understanding and develop models of the seekers used in the missile homing process and to give insight in the guidance equations implementation in modern missile systems
- To review control systems theory and develop missile airframe dynamics in terms of control systems and feedback
- To achieve an understanding of the missile autopilot design problems.

Deadline: 2 March.

STEP - PARENTING TEENAGERS PROGRAM (15 hrs.)

11 March-13 May; Thursday, 1130-1300; Bldg. 457 (on Blandy). By: **Anni 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.

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

IMAGE & COMMUNICATION SKILLS FOR WOMEN (8 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 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 JOE is required. Do not send in training requests. To enroll call 939-6628.

MTF MESSAGE EDITOR FOR IBM (8 hrs.)

18 February; Thursday, 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.

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 editing the writing 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 judgment 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 organizing 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 proofreading 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: **LaNette 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.

WORD, BEGINNING (16 hrs.)

24-25 February; Wednesday and Thursday, 0800-1130; Training Center. By: **Daryl Vaughn, C622**

Prerequisite: Macintosh skills (create folders, launch applications, use clipboard).

Intended Audience: Beginning users of the Word program on the Macintosh.

In this course you will learn to use the Microsoft Word program to create documents; move text between files; add, change, and delete text; format text; spell check; paginate; print; and save documents.

Presentation Method: Hands-On Workshop

Deadline: 10 February.

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

February 11, 1993

MS-DOS, BEGINNING (8 hrs.)

2 March; Tuesday, 0800-1600; Training Center. By: **Daryl Vaughn, C622**

Intended Audience: Beginning users of IBM-PC or Zenith-Compatible Microcomputers.

This course is designed to provide the novice computer user with a basic understanding of how DOS manages hardware and software components, controls system operation, and directs input and output to and from peripheral devices. It includes a survey of file storage techniques, operations commands, command structure, and utilities. Participants will learn how to use MS-DOS internal and external commands such as format, copy, diskcopy, dir, and chkdsk.

Presentation Method: Hands-On Workshop

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

MS-DOS, INTERMEDIATE (8 hrs.)

3 March; Wednesday, 0800-1600; Training Center. By: **Daryl Vaughn, C622**

Prerequisite: Ability to use the functions of the disk operating system (DOS). To do basic file management operations on an IBM-PC compatible computer (diskcopy, diskcomp, format, chkdsk, dir, erase, copy, rename, chdir (CD), mkdir (MD), rmdir (RD), type, print).

Intended Audience: DOS users with IBM-PC compatible hard disk system management responsibilities.

Scope: Use batch files to customize computer operations and create custom computer instruction for the DOS on an IBM-PC compatible computer and to ensure the safety of the hard disk files against accidental destruction. Use copy con to create batch files and the edit line editor to modify them, use pipelined commands in MS-DOS to redirect output, do sort, and use the find and more filter functions.

Presentation Method: Hands-On Workshop.

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

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, non-programmers.

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 in-house 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, INTRODUCTION (8 hrs.)

16-17 March; Tuesday-Wednesday, 0800-1130; Training Center. By: **Marjorie Hunter, C0251**

Intended Audience: Beginners with little or no Macintosh experience.

In this course you will learn to use the keyboard and the mouse to input information to the Macintosh, change software to suit the current application, view files and folders on a disk, select and drag icons, open icons through the file menu, activate and close windows, use Desk Accessories such as Chooser, Finder, and Calculator, use the Clipboard to transfer information, use some typical applications packages such as a word processor and/or a graphic program. (Applications to be surveyed may include: MacWrite or Word, MacPaint and MacDraw or MacDraw II. This class will not be able to cover these applications in any detail. The student is referred to other classes offered for specific applications.)

Presentation Method: Hands-On Workshop

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 (alarms, stationary), and the new features of the Macintosh System commands and log 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 fonts will be covered.

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: **Daryl Vaughn, C622**

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

Presentation Method: Hands-On Workshop

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

MAC COMPETENCY WEEKINTRO TO MACINTOSH (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 to 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 programmer.

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, over-

loading 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: 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: Hands-On Workshop

Deadline: 15 March.

MANAGING EMPLOYEE PERFORMANCE PROBLEMS (16 hrs.)

17-18 February; Wednesday and Thursday, 0800-1600; Training Center. By: **Michelle Jackson**

Intended Audience: Supervisors, Project Managers, Matrix Managers, Technical Leads, and people interested in learning about supervision.

This highly interactive 2-day workshop focuses on learning and immediately applying the skills needed to (1) recognize troubled employees and prevent potential problems, (2) coach and discipline problem employees, (3) describe and document behavior objectively in written assessments and during interviews, (4) implement strategies for improving employee morale and increasing team cohesiveness in a quality-based environment, and (5) cope with the stresses and challenges posed by difficult employees. The role of manager is presented more as a coach and supplier rather than director and controller.

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

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

7, 14, 15 April; Wednesday-Thursday, 0800-1600; Training Center. By: **Steve Tuszynski**

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

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.

OBJECT FILE ANALYSIS OF THE WORK PROCESS (8 hrs.)

1 March; Monday, 0800-1600; Training Center. By: **Dale Christensen, Code C2199**

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

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

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

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

INFORMAL FACILITATION (8 hrs.)

5 March; Friday, 0730-1700; Training Center. By: **Bob Huey**

Intended Audience: Employees or managers interested in learning about developing facilitation skills which are useful for quick problem solving on informal task teams or self-managed teams.

Facilitator tools, techniques and skills will be demonstrated and practiced in simulated team problem-solving sessions. Participants will experience being part of a typical team as well as being the facilitator. Additional topics to be covered include:

- Dealing with difficult people
- Avoiding bloopers or common mistakes
- Recognizing the difference between facilitating and leading a team

Reviewing the common steps to problem solving

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

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

5 March; Friday, 0730-1700; Training Center. By: **Linda Wetkins, Code C6502**

This is a "how to" workshop designed to familiarize Center personnel with the small purchase procurement process. Topics include preparation of Request for Proposal, purchase of commercial versus system orders, state flow, lead times, GSA orders, and other information to assist and enlighten the "end user." This class will also include an overview of SPEDI.

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

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

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

The following topics will be addressed:

- Facing the Need for Revolution
- Management Must Become Obsessed With Quality
- You Must Identify Suppliers & Customers
- Establishing Precise Understanding of Process Flow
- Improve Responsiveness to Customers
- The Importance of Understanding Variation
- Eliminate MBO & Work Standards - Substitute

Leadership

- Improvement Requires Change & Total Quality Management.

Effect

- Separate the Vital Few from Trivial Many: Pareto

SECURITY CLASS

SECURITY FOR COMPUTER USERS (4 hrs.)

25 February; 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. Submit an on-Center Training Request.

INDUSTRIAL SECURITY FOR NAVY PROFESSIONALS (7 hrs.)

18 February; Thursday, 0800-1600; Training Center. By: **Linda Hall, Code C84301**

Intended Audience: Acquisition personnel (Contract Specialists, Contracting Officers), Contracting Officer's Technical Representative (COTR), 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.

To enroll in this class call 939-2216.

HAZARDOUS WASTE TRAINING (8 hrs.)

24 February