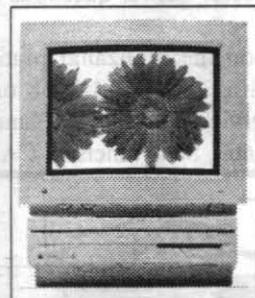


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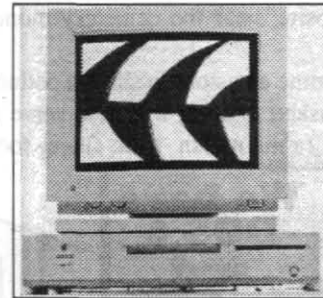
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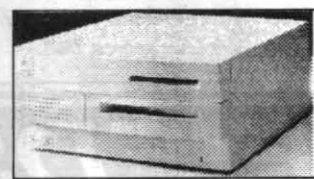
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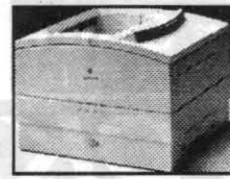
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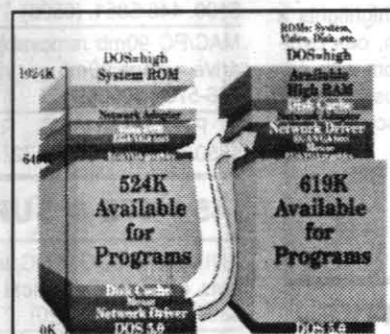
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THE ROCKETEER

THURSDAY, APRIL 22, 1993

NAVAL AIR WEAPONS STATION, CHINA LAKE

VOL. 49, No. 8

Pioneer rocket scientist, VAdm. Levering Smith, passes away at 83

By Barry McDonald
Editor

China Lake lost another of its pioneers with the passing of Vice Admiral Levering Smith April 5 at Mercy Hospital in San Diego. He was 83.

Smith came to the then Naval Ordnance Test Station Inyokern in October 1947 as a Navy commander and served as deputy head of the Explosives Department. According to a tribute to VAdm. Smith by Dr. William S. McEwan, a former head of the Chemistry Division, in last week's *News Review*, one of Smith's first duties was as project officer of the 2.75-inch aircraft rocket Mighty Mouse. Through Smith's efforts and those of others, McEwan, himself a bonafide China Lake pioneer, wrote, "a completely new propellant was developed and other important

problems were solved."

But his assignment to NOTS wasn't Smith's first contact with the facility. McEwan wrote that he first met Smith earlier in 1947 when he was head of the solid propellant desk in the Bureau of Ordnance (BuOrd).

In an interview in 1989 for the China Lake History, Smith told Elizabeth Babcock and Leroy Doig of the Technical Information Department of another encounter he had with NOTS Inyokern before receiving orders here. After the World War II, he explained, CalTech wanted to get out of war work, and they were concerned that the approximately \$10 million still on their books from earlier advances would affect their nonprofit, tax-exempt status.

"So [Dr.] Bruce Sage and Charlie [Dr. Charles C.] Lauritsen approached

Please see **SMITH**, Page 12

New security guidelines lay down disciplinary actions for violators

By Peggy Shoaf
Staff Writer

While the security guard is making his rounds, he notices a vault door isn't securely closed. After checking inside the vault, he discovers it contains a number of classified documents. The Law Enforcement and Security divisions, Naval Criminal Investigative Services and the person responsible for the vault's security are called to the scene.

"This is a security violation that occurred recently (at the China Lake site of the Naval Air Warfare Center Weapons Division)," said John Hammonds, head of the Naval Air Weapons Station China Lake Security Division. "It was a security violation without compromise because the vault had been closed enough to turn on the alarm. If anyone had tried to enter the vault, the

alarm would have sounded. So no one could have seen those documents."

The information obtained during the preliminary inquiry is passed on to Capt. Douglas W. Cook, NAWCWPNS Vice Commander, who, in turn, sends a letter to the manager who is responsible for the area where the violation occurred and asks what was done about the situation and what remedial administrative or disciplinary action was taken.

In the meantime, the manager should have started his own investigation, Hammonds said, finding out who was responsible for the breach of security.

In the past, there haven't been any minimum standards on the types of remedial action managers should take on security violations, Hammonds said. Actions ranged from an oral admonishment to a Letter of Caution and

Please see **SECURITY**, Page 22



Photo by Terry Pascarella

BYE-BYE BUGGY provided an easy transport for a number of toddlers who joined other children from the Naval Air Weapons Station China Lake Children's Centers in a walk through Michelson Laboratory and the Administration Building, before having a picnic at Solar Park. According to center personnel, the Public Awareness Walk was designed to remind China Lakers that children are the future of this country. The Public Awareness Walk is held annually at China Lake in April, the month designated as "The Month of the Young Child."

Arms control pacts could affect Station

Non-strategic agreements may subject China Lake to various inspections

7

Earth Day Message

Acting SECNAV Kelso urges sailors and Marines to make a difference

9

Volkslauf Mud Run

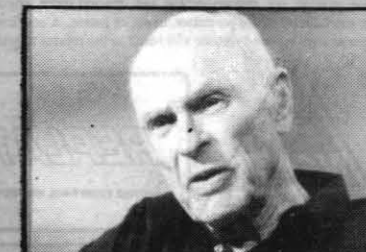
Five local teams pick up the challenge to compete in annual sludge showdown

26

Former NOTS Commander visits

VAdm. Frederick Ashworth discusses the past and gives views on downsizing

15



Weather

	Max.	Min.	Gusts	Humidity
Wed	81	42	10	67-17%
Thurs	85	46	22	67-12%
Fri	83	61	25	-
Sat	84	49	14	-
Sun	83	54	17	-
Mon	75	51	21	39-12%
Tues	76	43	10	35-12%
April 14-20				
Wed	82	41	14	57-12%
Thurs	82	52	17	47-18%
Fri	87	43	15	67-17%
Sat	85	47	26	-
Sun	84	52	14	-
Mon	83	45	10	64-13%
Tues	92	46	14	51-12%



China Lake Calendar

Monday-Thursday, April 26-29

•Occupational Safety and Health Oversight Inspection takes place at NAWS China Lake

Tuesday, April 27

•IEEE Computer Society presentation; Dr. Larry Cosner, M.D., guest speaker; 11:30 a.m. to 12:30 p.m.; Seafarer Club

Wednesday-Thursday, April 28-29

•MiniHRIS, 7:40 a.m. to 4:40 p.m.; Michelson Laboratory Management Center

Thursday, April 29

•SIGAda meeting, 11:30 a.m. to 12:30 p.m.; Imbedded Computer Institute (across from Training Center)

Saturday, May 1

•Low Day U.S.A.

Monday-Friday, June 7-11

•Safety Awareness Week

THE ROCKETEER

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VICE COMMANDER

Capt. Douglas W. Cook

DEPUTY COMMANDER

FOR RESEARCH AND DEVELOPMENT

Sterling Haaland

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The Commanding Officer's Desktop



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

Question:

A while back, *The Rocketeer* printed a notice from the JAG's office stating use of Navy FAX machines to order meals from local eateries was contrary to SECNAVINST, which states military and civilian personnel shall not "directly or indirectly use . . . or allow the use . . . of government property [or] facilities . . . for other than official government business or purposes."

I think most of us want to do what is right, honest, fair and logical. After thinking about your statement regarding faxes, it seemed to be an overly simplistic reaction to a complex problem. The same citation you used seems to prohibit:

1. Use of a Navy phone to make a lunch reservation or to receive a call from your spouse saying that lunch plans have changed. After all, both phones and faxes are Navy equipment attached to Navy phone lines.

2. Sitting in a Navy chair, using Navy lighting to sit in your office, eat your sack lunch and read a book during lunch hour.

3. Eating snacks and drinking liquids can hardly be an "official government business or purpose." What about the placement and use of candy machines and water coolers on government property? Furthermore it seems hardly consistent that the Navy provides space, electricity and styrofoam cups for private coffee pots and coffee.

4. Speaking of the use of private equipment on Navy property, let's talk about the use of private vehicles for all the running around the base needed to accomplish our jobs in a timely manner.

There are not enough taxis to take care of errands and there are too many restrictions on where they can go. (Can you imagine everyone trying to use a taxi to attend the recent sexual harassment stand down?) In many cases, it would take longer to round up a Navy vehicle than the errand itself would take. Some codes cannot afford vehicles and expect their employees to run errands, pickup time cards or contracts, attend classes, etc. with their own vehicles. We save the Navy tons of time and money by using our own vehicles.

We do this at our own expense and probably at our own risk. If our vehicles are damaged and we are injured during an errand, who will pay? Is it legal to use private vehicles for Navy business?

Is it legal to carry government equipment in the vehicle during an errand? (Let's be sensible here, you know we're not going to get an equipment pass just to haul a typewriter in our own car from one building to another.)

5. I've even heard that employees have been cited for having a government pen in their pocket when leaving the base. What if they were taking work home to work overtime without reimbursement? What if they had a Navy book or software manual in the car?

Heretofore, we have always assumed that NAWS/NAWC would use logic and common sense in dealing with employees regarding matters that were treated as black-and-white issues per SECNAVINST. It used to make sense for us to make local calls with your phones and to use our cars for your errands. But now you've "raised the bar" on how you will interpret SECNAVINST. It seems fair to ask how you would apply SECNAVINST in situations 1 through 5 above. Addressing these issues in some detail would provide employees with much more of a "service" than just saying not to FAX-in our lunch orders! In any justice system, we deserve to know the rules, how they will be interpreted and the penalties.

Answer

1. In response to the above unsigned and undated memorandum inquiring as to whether certain activities by DON personnel would violate the Standards of Conduct, SECNAVINST 5370.2J, I provide the following interpretations.

Please see **DESKTOP**, Page 19

Pages From The Past

April 22 & 29, 1983

Laura Brady and Dulcie Kreie help form the local chapter of Mothers Against Drunk Driving. . . Marty Shelton was named an "associate fellow" of the Society for Technical Communication. . . NWC Chief Staff Officer, Capt. Scotty Vaught, threw out the first pitch in the China Lake Little League season. . . Dick Johnson was named head of the Safety and Security Department, succeeding Bill Davis who had headed the department since 1973. . . Ray Magorian of the Fuze and Sensors Department was runner up to the prestigious Crozier Prize.

April 20 & 27, 1973

Hack Wilson, NWC Technical Director, ended his civil service career April 27. . . The Chief of Naval Operations sent his congratulations to the NWC team that successfully launched the first no-live operator QF-86H target recently. . . A public hearing was set on annexing 1,300 acres of NWC to the City of Ridgecrest. . . NAF pilots set a record of 21,000 flight hours without accident.

April 19 & 26, 1963

Students from St. John's Seminary in Camarillo launched a 59-inch rocket at China Lake. . . Lt. John Hertel and Lt. Doug Jasper flew a NAF helicopter on a rescue mission to recover two pilots near Bicycle Lake. . . NOTS Commander, Capt. Charles Blenman, cut the ribbon opening the new NAF Mess Hall. . . Barney Oldfield is the new Navy League Council president. . . Frank St. George heads the China Lake Toastmaster Club, succeeding Gerald Miller.

April 22 & 29, 1953

Commander S.W. Vejtasa is the new commanding officer at the Naval Air Facility. . . At the NOTS Pasadena Annex, Cdr. R.F. Sellars is the new officer-in-charge. . . Gilbert Bryant, Public Works, is the new district commissioner for Boy Scouts of America. . . Former NOTS Experimental Officer, Capt. Thomas Mooror, is the new CO of NAS Pensacole, Fla. . . J.H. Wiegand will leave the Rocket Department for the Southwest Research Institute in Texas. . . A.S. Gould Jr. won the Research Society of America's first award ever.

Manzanar Pilgrimage set this Saturday, April 24

Annual event honors the more than 120,000 Japanese Americans unjustly imprisoned during World War II

■ Last year federal law was enacted, establishing Manzanar as a National Historic Site. . .

This Saturday, April 24, is the date of the 24th annual Manzanar Pilgrimage. The program, honoring the more than 120,000 Japanese Americans unjustly imprisoned during World War II, will be held at the northwest corner of the former campsite, near the cemetery monument, starting at noon.

In the past, it has become a custom to share a potluck lunch. Participants are asked to bring a dish to serve at least six to eight people (a main dish, fruit, finger food

or dessert). The Manzanar Committee will provide an entree, soft drinks, water and paper goods.

Manzanar is one of the 10 American concentration camps in which Japanese Americans were held during World War II. At Manzanar, located approximately nine miles south of Lone Pine on Highway 395, 10,000 men, women and children were incarcerated in tar-papered barracks and behind barbed wire, denied the most basic civil and human rights most Americans take for granted, simply because of their race.

Last year, federal law was enacted establishing Manzanar as a National Historic Site "in order to provide for the protection and interpretation of the historical, cultural and natural resources associated with the relocation of

Japanese Americans during World War II."

Work has already begun by the National Park Service on a general management plan for this site. An April 23 scoping session will provide a forum for public concerns and proposals to be considered in the planning process. This session will be held from 7:30 to 9:30 p.m. in Independence at the American Legion Hall, on Highway 395. Park service personnel will be available to explain the planning process, answer questions and record public input.

Information on the Manzanar planning project is available by calling (415) 744-3968 or writing to the National Park Service, Division of Planning, 600 Harrison Street, Suite 600, San Francisco, CA 94107-1372.

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COMMUNITY EVENTS

Inyokern's 84th birthday celebration, Magnolia Days, will kickoff tonight, April 22, at 7 p.m. during a dinner at the Two Sisters Restaurant in Inyokern. In addition to meeting the candidates for "Town Marshall," guests will be able to hear Bill Hampe, author of "Historical Site Markers of Kern County," talk about the history of building the aqueduct and railroad through the Indian Wells Valley and Eastern Sierra. Magnolia Days activities will also be described. For dinner reservations, call 377-5611 or 377-5594. Cost is \$12.50 per dinner.

####

Starting April 22, the Community Light Opera and Theatre Association will present "Bell, Book and Candle," a comedy-romance in a cocktail-theatre setting. Set for Farris' at the Heritage, the show will be held April 23, 24, 30 and May 1. Doors open at 6:30 p.m., with a 7:30 p.m. curtain time. General admission is \$8. Tickets for active-duty military personnel, senior citizens and full-time students under 21 are \$6 each. CLOTA will offer an opening-night bar-

gain ticket price of \$5, plus a discount coupon for the remaining performances. Tickets are on sale at the Village Bookshelf, 901 N. Heritage Drive. For reservations, call 446-7323.

####

On Thursday, April 22, a panel discussion concerning women's health issues will be held in the Cerro Coso Community College Lecture Center at 1:30 p.m. Panel guests are Jessica Cromarty, a licensed marriage, family and child counselor; Carol Williams, a licensed clinical social worker; Dr. Rita McCullough Stanley, a clinical psychologist; and Paulette Sollerg, a licensed marriage, family and child counselor.

####

On Wednesday, April 28, the All American Boys Chorus will perform at the Naval Air Weapons Station China Lake Theatre. Single event tickets for this Indian Wells Valley Concert Association event may be purchased at the Maturango Museum, Richer's Music and the Village Bookshelf. General admission is \$10, with a reduced rate of \$7 for active-

duty military personnel and their dependents as well as to people under 21 or over 65 years of age. Tickets will be available at the door if the concert is not sold out. The box office opens at 4:45 p.m., and the doors will open at 7 p.m. The All-American Boys Chorus will present an abbreviated concert for selected students at 10 a.m. Thursday, April 29.

####

This year's Cerro Coso High School Invitational Art Workshop will be held April 30 and May 1. A Friday, April 30, evening presentation, open to the general public, will feature Helena Hale of Santa Barbara portraying American artists Georgia O'Keefe, Mary Cassatt, and Louise Nevelson in a one-woman theatre production at 7 p.m. at the college lecture center. For more information, contact Dick Benson at the Cerro Coso Art Department at 375-5001, ext. 240.

####

Inyokern Airport will sponsor an Aircraft Poker Run from 9 a.m. to 1 p.m. Saturday, May 1. Pilots will receive one card at the Inyokern, Lone Pine, California City, W.J. Fox (Lancaster) and Tehachapi airports, plus another two upon their return to the Inyokern Airport. The top three hands will receive AvGas credit. Proceeds will be used as a scholarship for a local teen to attend the EAA Summer Workshop. A barbecue will follow the contest. For more information, call Nancy at 377-5844.

####

People interested in serving on the 1993-1994 Grand Jury need to submit their names to Superior Court before May 1. The 19-member Grand Jury acts as an investigative body to ensure county and city governments are effectively operated. It is not a trial jury. Superior Court judges nominate candidates from the pool of volunteer applicants and random drawings. Candidates must be U.S. citizens, at least 18 years old, have a working knowledge of the English language and have resided in Kern County for at least one year. Grand jurors serve one year beginning in July. Applicants must be willing to spend approximately 20 hours a week on Grand Jury work. To apply, write to the Court Services Manager, 1415 Truxtun Avenue, Bakersfield, CA 93301, or telephone (805) 861-2437.

####

On May 1 the Maturango Museum's Swine Ball will be held at Joshua Hall, Desert Empire Fairgrounds. There will be a hog calling contest complete with prizes and a double-elimination Pigmania tournament with a trophy for the winner. A Piggy Banks Bonanza may bring out the risk seekers. Bid on a bank—some might be empty, some might be full! After a BBQ beef supper, get ready for the auction. Round out the evening with music by Cross Current until 11 p.m. Tickets, are on sale now at Cookie Express, the Bookshelf and the Maturango Museum, are \$17.50 prior to April 24, \$20 each afterward.

Events slated for this Saturday

VX-5 CMC Bonnie Fears donates time on board of first local Special Olympics

By Peggy Shoaf
Staff Writer

Giving back to the community, whether a military member or a civilian, is a responsibility of every citizen, says Master Chief Petty Officer Barbara (Bonnie) Fears. As Command Master Chief for Air Test and Evaluation Squadron Five, MSCM (AW) Fears not only preaches that philosophy, she lives it.

"When I was a student in grade school, I would often look at my citizenship grade and wonder what citizenship was," Fears said. "Now I know. We have an obligation to try and give back to our community in whatever way we can, whether it is being a boy scout leader, a girl scout leader or by participating in any other type of community program. There are thousands of ways to give back to the community."

Besides being a member of the Ridgecrest Military Affairs Committee, one of the ways MSCM (AW) Fears gives back to the community is by being an active member of the Ridgecrest Special Olympics Board of Directors. For the first time in the city's history, the Indian Wells Valley Association for Retarded Citizens and the Boeing Company are hosting a Special Olympics Area Meet in Ridgecrest. The event takes place Saturday, April 24.

As chairperson for volunteers, MSCM (AW) Fears is tasked with coordinating the many volunteers needed to make this meet run smoothly. Volunteers are needed to help in all of the sporting events, the master chief said. Sporting events include track and field activities at Cerro Coso Community College,

bowling at Sierra Lanes and swimming at the Naval Air Weapons Station China Lake Community Pool.

"If anyone has coached swimming, bowling or track and field events, we could use their help," MSCM (AW) Fears said. "We need people to be timers, score keepers and work with the measuring tapes. We also need life guards and medical personnel. We will be holding a dance for the athletes that night at the Elk's Lodge and need people to volunteer to help decorate. Clean up and set up workers are also needed."

In addition, MSCM (AW) Fears noted the need for military officers to donate their time to be presenters to the winning athletes. "We are asking all of the officers to dress up in their uniforms to present the awards, ribbons and medals to show that interrelationship the community and military must foster," she explained.

But most of all, Fears said, we need huggers. People who will encourage the athletes to take those extra steps to cross the finish line. "I think a lot of us (non-handicapped individuals) take things for granted," MSCM Fears said. "We forget that just one step can be a challenge. You can become hoarse trying to continually cheer encouragement to a child to reach the finish line. We need people to get involved and care for the day."

MSCM Fears noted people who do volunteer their time will undergo a reality check. "Those of us who are non-disabled need to observe people who are less fortunate as they try to build their self-esteem, self-confidence and personal dignity. These are all kinds of things we take for granted."

The volunteer effort will be worth it,

MILITARY NEWS



MSCM (AW) Bonnie Fears

MSCM Fears promised. "The most rewarding thing you will get out of the whole day is a smile from that certain person who has stolen your heart," she said. "That is priceless and makes the whole day worthwhile."

Military personnel getting involved will get another benefit. Their volunteer efforts will be put into their military records. "In today's cut down Navy, it is the cream of the crop that is kept," MSCM Fears said. "Anything the sailors can do to build their records will help. Community involvement is a real important issue to the screening boards."

People can sign up for volunteer efforts by calling MSCM Fears at 939-5045 or 5202.

Although the Special Olympics Meet is not a station activity, it is a station-supported activity, the master chief said. In addition to allowing the use of its pool for the swimming competition, the station will contribute a lot of its resources to make this event a success. For example, the station will allow flags to be put up alongside Blandy Avenue

"so the athletes will get a real patriotic, very military, yet community involved atmosphere as they come onboard," she explained.

Master Chief Petty Officer Fears joined the Navy in May 1974. Assignments have included stints with the Allied Forces Southern Europe; Naval Air Station Jacksonville, Fla.; Submarine Base, Pearl Harbor, Hawaii; NAS Kingsville, Texas; Naval Communications Station Japan; and NAS Agana, Guam.

It was while in Guam she first became involved in Special Olympics.

John K. Ferguson commissioned an ensign in LDO program

One of 12 to make it out of some 600 applicants to the limited duty officer program, Ens. John K. Ferguson was commissioned April 7 following quarters at Air Test and Evaluation Squadron Five. Formerly a chief avionics electrician's mate, Ens. Ferguson said he had been trying for the program since he was a first class petty officer, and he made it on the fifth attempt.

Ferguson arrived at VX-5 in December 1990 following a temporary assignment to COMFAIRPAC in support of Desert Shield from his regular squadron, VP-1, at Barbers Point, Hawaii. He served as an material expeditor CPO to Commander Task Force 72 and 77, traveling throughout the Western Pacific. "That was one of the best jobs I've had in the Navy," he said last week, the day before leaving for LDO indoctrination training. After the training, he will join Helicopter Support Squadron Eleven at North Island.

But, he said, the very best job he will probably ever have in the Navy was at VX-5. "I liked it because of the number of different types of aircraft, the complexity of the job," he explained. "And I've never seen such a strong group of professionals as there is at this squadron. It's been the sailors who've worked

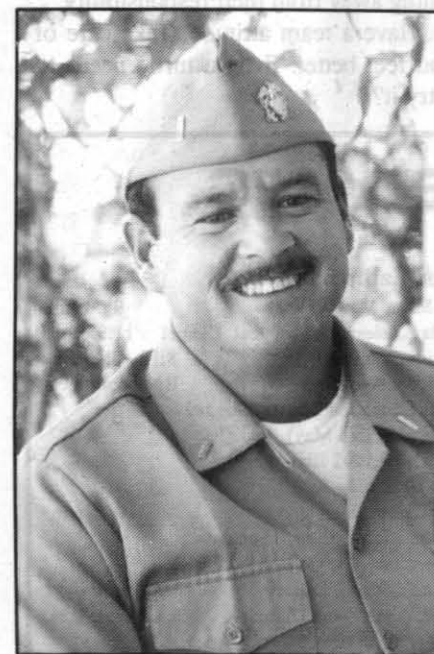
under me throughout my career that helped me to get where I am today. But these young people at VX-5 are really special. They perform pure magic out there on those ramps. And the workcenter supervisors are the best I've seen."

Born and raised in Brooklyn, N.Y., the son of Irish immigrants, Ferguson joined the Navy in April 1978. But after serving one enlistment he got out of the Navy just after making third class petty officer in August 1981. He came back into the Navy three months later, determined to make a career of it.

"I wasn't the ideal sailor the first time around," he said. "But I realized the opportunity here, after I got out, so I came back. It was the best thing that ever happened to me. It was a turning point for me. Once I made the commitment things have gone well for me."

He explained that he made rate the first time he was eligible from that point on and graduated from AEIC "C" School with honors, second in his class.

"The best advice I can give to young sailors wanting to move up," he said, "is to be constantly persistent and to perform consistently a cut above."



Ens. John K. Ferguson

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DUST DEVIL is presented to OSC Norm Colwell by XO Cdr. Chip Mills at the former CCC's retirement ceremony.

OSC Norm Colwell, NAWS Command Career Counselor, retires after 24 years

Not allowing him to slip away quietly, as he had wanted, OSC (SW) Norman D. Colwell was honored in a very small retirement ceremony April 8. Fellow Navy administrators in the Headquarters Building couldn't let the former NAWS Command Career Counselor get away without the Dust Devil, the Purple Sage and a flag box. He and his wife, Mary, have already left the area, headed for Arkansas in their big pickup and fifth wheel trailer. They will eventually settle in New Mexico.

Chief Colwell spent most of his 24-year career at schools or duty stations in, or aboard ships homeported at San Diego or Treasure Island. But, besides the Naval Air Weapons Station China Lake, he also served at NAV-MARCORESCEN Tucson, Ariz., and aboard

USS Morton, at Pearl Harbor, Hawaii. Other shipboard duty included three assignments to *USS Roark* and one on *USS O'Callahan*.

Colwell's decorations include designation as an Enlisted Surface Warfare Specialist, a Navy Achievement Medal and multiple awards of several other ribbons and medals.

The letter of appreciation he received, written by NAWS CO Capt. B.J. Craig, reads, in part, "Your extraordinary knowledge in virtually all areas of detailing and special programs improved overall command retention rates from 56 percent to 94 percent." The CO went on to credit the CCC with bringing the billet into the computer age and for being "instrumental" in initiating the command's Transition Assistance Management Program.

Chapel
Call

By Lt.j.g. David Alicea, CHC, USNR
Assistant Command Chaplain



Square your conduct by ideals of duty

A couple of days ago, I received a unique visit. He was a tall man all dressed in red, white and blue. His hair was white. By all means, I was surprised and astonished by such a visitor.

I asked him, "What do you want?"

He looked at me in a very mild way and said, "There is no question what the roll of honor in America is. The roll of honor consists of the names of men and women who have squared their conduct by ideals of duty."

Its meaning echoed and flashed in the blue skies like thunder. I felt compelled to keep such a conversation, but suddenly I just woke up. What did that mean? Words like honor and duty related to men and women was simply a challenge to meet.

That day I had to go to an Indoc class at the Conference Center, and there I understood the meaning of those words. There I saw two turtles at the fountain. One was just under the rocks and the other was a prototype of a tourist. He was on top of the rocks. He looked like a stuffed turtle. Can you believe there are people just like that?

We are part of a great institution, one that allows you to strive for excellence. In today's Navy we can see many ordeals to come, yet it is in your hands to overcome such ordeals. How? By squaring your conduct by ideals of duty. Those who walk through the path of complaint and pity themselves are just running away from their responsibility.

I invite you to make a difference in your life. Have a team attitude. Take care of yourself and others. Believe me, it will make you feel better. Even a turtle needs to stick its neck out to get anywhere. Why don't you try it?

All Faith Chapel Services

Protestant

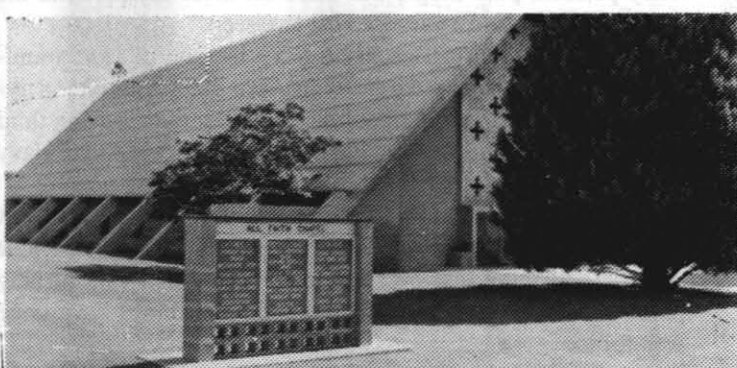
Sunday Worship Service, East Wing 8:00 a.m.
Sunday Worship Service, Main Chapel 10:30 a.m.
Sunday School, 1008-10 Blandy & 1903-05 Mitscher 9:00 a.m.
Bible Study (East Wing), Wednesday (September thru June) 11:30 a.m.
Men's Prayer Breakfast, East Wing, Thursday 6:30 a.m.
Officers' Christian Fellowship/Christian 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) 1:00 p.m.



Chaplain T.F. Mele, LCDR, CHC, USN
Chaplain Lt.j.g. David Alicea
Batsheva Gluckman, Student Rabbi

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Wednesday 0730-2000, flex Fridays 0730-Noon
939-3506, 939-2773, 939-2873

Video Listings

KNID

•Monday-Friday, April 26-30
5:30 p.m.: Navy News
5:55 p.m.: Historical Film: NOTS
Newsreel #3

6:10 p.m.: "Projection of Power"
6:43 p.m.: Los Gamines
•Monday-Friday, May 3-7
5:30 p.m.: Navy News
5:55 p.m.: Historical Film: NOTS

Newsreels #4

6:10 p.m.: A Magnificent Creature
Worth Saving: The Desert Bighorn Sheep

6:33 p.m.: Precious Legacy

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, April 27

8:30 a.m.: The Hidden Customer - Internal Customers

9:30 a.m.: Thriving on Chaos (Part 2) with Tom Peters

11:00 a.m.: Wellness: Relaxation

1:00 p.m.: MacAcademy: Powerpoint Part 3 of 3

3:00 p.m.: Discovering The Future:

KNID & TVIS

The Business Of Paradigms

•Thursday, April 29

Drug Awareness:

8:30 a.m.: Drugs and Youth - The Challenge

9:00 a.m.: NIDA: Drugs at Work

9:30 a.m.: Getting Help

10:00 a.m.: Brainstorm: The Brain

On Drugs from PBS

10:45 a.m.: Brain Transplant

11:30 a.m.: Wellness: Relaxation

1:00 p.m.: Frontline Drug War

1:45 p.m.: Father - Daughter from

20/20

2:00 p.m.: LSD — Return Trip

2:45 p.m.: DrugWatch L.A.

3:30 p.m.: Heroin Drug Trade form 48 Hours

•Tuesday, May 4

8:30 a.m.: Financial Management for Non-Financial Personnel

9:30 a.m.: Thriving on Chaos (Part 3) with Tom Peters

11:00 a.m.: Wellness: Relaxation

1:00 p.m.: Macacademy: Filemaker

Pro Part 1 of 3

3:00 p.m.: Discovering The Future:

The Power of Vision

•Thursday, May 6

8:30 a.m.: IEEE: Workstations of the Future

11:00 a.m.: Wellness: Relaxation

1:00 p.m.: MacAcademy: Filemaker

Pro Part 2 of 3

3:00 p.m.: Guide To Financial Security

Kindergarten registration for 1993-94 school year underway

Kindergarten registration for children in the Ridgecrest, China Lake and Inyokern area began April 19. Children must be five years of age on or before Dec. 2 to be eligible for entrance into Kindergarten for the 1993-94 year. Proof of age must be presented at the time of registration.

Children should be registered at the child's zoned school.

Registration for Faller School, 375-5081, will be held from April 19 to May 28 by appointment only.

Groves School, 446-5501, will hold its registration April 20-22, May 4-6 and May 11-13 from 1 to 3:30 p.m. Registration will also be held May 7 from 8 a.m. to 3 p.m. Appointments are required.

Inyokern School registration is set for April 19-June 11, Monday through Friday, from 9 a.m. to 2 p.m. No appointment is necessary. Call 377-4336 for any other time or date.

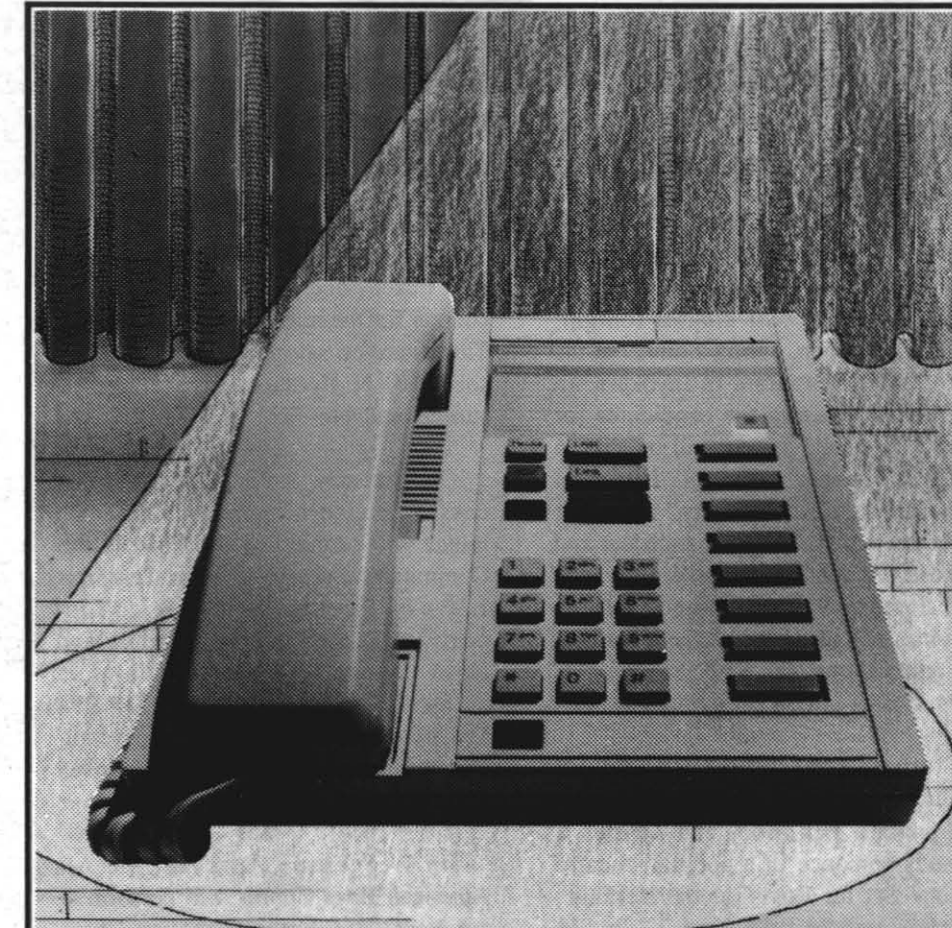
Las Flores School registration is for 2:30 to 3:45 p.m., April 19 through May 31. Appointments, which are required, may be made by calling 375-8431.

Pierce School registration is from May 3 through June 18 by appointment only. Appointments may be made by calling 375-5016.

Rand School, 374-2326, will hold its registration beginning April 19 in the afternoon. No appointments are necessary.

Richmond School, 446-2531, will be open for registration from 9:30 to 11 a.m. and from 1:30 to 3:30 p.m. beginning April 19. Appointments are not necessary.

Vieweg School, 446-2569, will hold its registration from 1:30 to 4 p.m. April 19 through May 31 by appointment only. People living in Site B Capehart should register at Vieweg.



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Hall Memorial Lanes plans variety of events

Many events are being planned at Hall Memorial Lanes aboard the Naval Air Weapons Station China Lake. In addition to two tournaments, and a variety of leagues are now forming.

May 6 marks the day for the center's four-game, no-tap alibi tournament. Cost is \$15 per person. Prizes will be awarded to the highest scorers. A four-game, no-tap alibi tournament differs from regular tournaments. A strike is called when eight pins are knocked down, instead of the usual 10. And, whereas scores are usually totaled from the tournament's three games, in this four-game alibi tournament, bowlers can tally up their three best scores and slide their worst scores under the rug.

At least 25 bowlers must register in order for this tournament to take place.

On May 8 or 9, bowling enthusiasts, or even those who haven't ever played the game, can bring in their mothers. For every game bowled, "mom" gets a free game during the Mother's Day Weekend Special.

On June 15, the bowling center will host a Mixed, Scotch-Double Bowling

Introductory fly-fishing class offered May 10

An introductory fly-fishing class will be offered by the Aguabonita Flyfishers Monday, May 10. The six-session class will meet Monday and Wednesday evenings at 7 p.m. All aspects of fly fishing, including equipment, casting, knots and flies will be covered.

Tournament. This non-sanctioned event will begin at 6:30 p.m. Cost is \$16 per couple—one man and one woman. Registration must be made by June 1, and 12 teams are required for this tournament to take place.

Two special leagues are now forming at Hall Memorial Lanes. On Tuesdays, the 8-Pin, No-Tap Mixed League will play. Registration ends June 1, with games beginning June 15. Cost is \$7.50 per person per week. Teams will consist of four to five players, and a minimum of 25 people is required to begin this league.

The Youth Bowling League is accepting registrations. The league begins June 26 and will play on Saturdays from 1 to 4 p.m. This non-sanctioned league will run through the month of August for children between the ages of 3 and 10. Cost is \$5 per child per week and includes bumper and shoe rental. Weekly prizes will be awarded to all participants. Special prizes will be awarded to the five highest scorers.

For information, call 939-3471.

All class sessions will be held at the Grace Lutheran Church, corner of Norma and Las Flores, Ridgecrest. The first meeting will be a general information session.

For more information, call 375-5810 or 375-8725.

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OTHTC prepares for annual Inyokern 10-mile road race

On May 2, the Over-the-Hill Track Club will hold its 19th annual Inyokern 10-mile road race. Walkers begin at 7 a.m., and runners begin at 8 a.m. Cost is \$15 per entry.

The starting line is the intersection of US 395 and Old 395 south of Ridgecrest, with the finish line at the Inyokern Park.

This is a fast, point-to-point race running slightly down hill.

Water will be available at a couple of stops along the way, with refreshments — runners' punch, beer and fruit

— available at the park at the conclusion of the race.

In the past, many runners bring their family and friends for support and have a picnic in the park following the race.

There will be Open and Age Group awards for men and women, plus others based on pre-registration count.

Race director Jerry Banister can be contacted at 377-4690 for registration forms and further information. Registration forms will also be available at the Naval Air Weapons Station Gymnasium and the Kerr-McGee Rec Center.

Athletes urged to start preparing for this year's China Lake Triathlon

Athletes are urged to train for the upcoming China Lake Triathlon, consisting of a half-mile swim, 25-mile bike ride and 6.2 mile run. Participants can compete either as a team or individually. This year's triathlon, sponsored by the Morale, Welfare and Recreation Department, is slated for Oct. 3.

Entry fees have been reduced for 1993. This year's cost is \$5 per individual, \$7 per two-person team or \$9 per three-person team. In addition, each team, or individual competitor, must

bring in at least one volunteer to help on race day. At least 43 volunteers are needed to support the race, noted Larry Seibold, race coordinator.

Tank tops, t-shirts and sweatshirts advertising the 1993 race are optional and must be ordered by Sept. 1.

Registration for the 1993 triathlon will be taken at the Naval Air Weapons Station China Lake Gymnasium (Bldg. 22 on Blandy Ave.) starting in July.

Comments, are welcome Send them to Code C2953 or call 927-1729."

Vampires honored with Navy Achievement Medals at VX-5 quarters

At April quarters Air Test and Evaluation Squadron Five honored four Vampires with Navy Achievement Medals.

ADC Dennis R. Ramsey received a gold star in lieu of a third award of the NAM for service with Patrol Squadron Nine as Maintenance Control supervisor, Power Plants QA representative and QA supervisor from November 1990 to October 1992. In the citation, RADM. A.R. Maness, Commander Patrol Wings, U.S. Pacific Fleet, wrote, in part, "Displaying exceptional leadership and managerial skills, Chief Petty Officer Ramsey brilliantly directed the success-



ADC Dennis Ramsey

ful maintenance of the squadron's eight P-3C aircraft in support of a demanding tri-site deployment to the Northern Pacific and Caribbean Sea."

AT1 Russell G.H. Dreher also received a gold star in lieu of a third award for service with VX-5 as Integrated Weapons Team leading petty officer from July to September 1992. VX-5 CO, Capt. Garth A. Van Sickle, wrote, in part, "Displaying exceptional technical expertise and sound supervisory skills, AT1 Dreher flawlessly coordinated the efforts of 36 highly skilled technicians in the identification and repair of a com-



AT1 Russell Dreher

plex wiring discrepancy thus avoiding a depot level repair and the loss of a valuable squadron asset."

BT1 Walter L. Brooks received the NAM for services with VX-5 as Command Educational Services officer and Data Processing Department LPO from August to December 1992. Capt. Van Sickle wrote, in part, "Displaying exceptional management skills, BT1 Brooks developed an automated system for tracking advancement data for over 300 enlisted personnel, which significantly improved all aspects of the enlisted advancement process."



BT1 Walter Brooks

L13 Thomas E. Pelt received his NAM for service as VX-5's print shop equipment repair coordinator from November 1992 to January 1993. Capt. Van Sickle, wrote, in part, "Displaying exceptional knowledge and mechanical skills, Petty Officer Pelt flawlessly removed, repaired and installed a Multi 1650 printing press impression cylinder and gripper assembly, saving VX-5 over \$7000 in repair costs."



L13 Thomas Pelt

Additionally, a Good Conduct Medal was presented to AMS3 James K. Halvorson.

Retroactive imminent danger pay authorized for Somalia shore duty

Washington (NNS) — Imminent danger pay has been authorized for U. S. service members who set foot in Somalia or fly over Somalia, with no minimum time in zone, retroactive to Sept. 28, 1992.

This authorization, announced in

NAVADAMIN 203/92 (CNO Washington D.C. DTG 112119Z DEC 92), does not extend to crews of the ships off the coast of Somalia. However, Navy personnel attached to fleet Marine force units operating ashore in Somalia, Seabee construction battalions, Seals

and others who actually set foot in Somalia are eligible for the pay. Crew members of planes and helicopters flying over Somalia are also eligible for imminent danger pay.

Imminent danger pay is not automatically paid to eligible personnel. Com-

mands must submit the appropriate paperwork before it will be paid. Imminent danger pay will be paid at the monthly rate of \$150, regardless of the amount of time spent in or flying over Somalia as long as eligible personnel continue to do so.

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SECNAV seeks fair resolution to Tailhook

Washington (NNS) — In ALNAV 001/93 (052200Z Jan 93), sent to all Navy components Jan. 5, then Secretary of the Navy Sean O'Keefe announced that it is his intent to see the allegations arising from Tailhook "resolved fairly, in a manner that both upholds our standards and that provides those accused an appropriate means to confront the accusations and present their cases."

"The ultimate goal," the former secretary said, "is a fair hearing and a fair resolution of each case. We are approaching the final steps."

Part one of the DoD IG's investigation, released in September 1992, reviewed the actions of senior officials accountable for the Navy's Tailhook investigations. Part two will address events taking place at the symposium and any subsequent misconduct related to the DoD IG investigation effort.

DoD IG has not announced when part two will be released.

A major part of the plan is the design-

ation by the Chief of Naval Operations and Commandant of the Marine Corps of a Consolidated Disposition Authority for each service. The CDA's will be senior flag/general officers exercising general court-martial jurisdiction and will act to dispose of cases within their respective services.

CDA's will review individual cases and decide the disposition of allegations against any individual concerned. They will exercise the sole, "unfettered discretion" granted a general court-martial convening authority under the Manual for Courts-Martial (1984), and recommend any administrative action deemed appropriate. CDA's will carefully review the DoD IG's recommendations to refer an individual for disciplinary or administrative action as well as any related evidence.

Disciplinary or administrative action, if any, the ALNAV stressed, will not be taken solely on the basis of a referral by the DoD IG.

Skies become friendlier for military on leave

Washington (NNS) — Northwest, Continental, Delta, Southwest, United and USAir Airlines announced military leave (furlough) fares. These fares are in addition to the military leave fares already in place through TWA and Southwest Airlines. Some discounts may be as high as 60 percent off full coach

fares. Military rates are available to all active-duty military personnel on leave, as well as round-trip travel. Terms and conditions of the furlough fare programs vary. Personnel should contact their leisure travel office or the airline they plan to use in order to confirm availability and requirements for travel.



TRIDENT TEAM membership was recognized March 31, when a Trident II (D5) Flag was presented to the Naval Air Warfare Center on behalf of RADM. John T. Mitchell, director, Naval Strategic Systems Programs, Capt. Douglas W. Cook, Vice Commander of the Weapons Division, received the flag from Capt. Robert E. Hawthorne, deputy director, NSSP. In the accompanying memorandum, RADM. Mitchell wrote, in part, "[NAWCW/PNS] provided valuable specialized test support for first, second and third stage rocket motors as well as technical analytical support, resulting in a highly successful development program."

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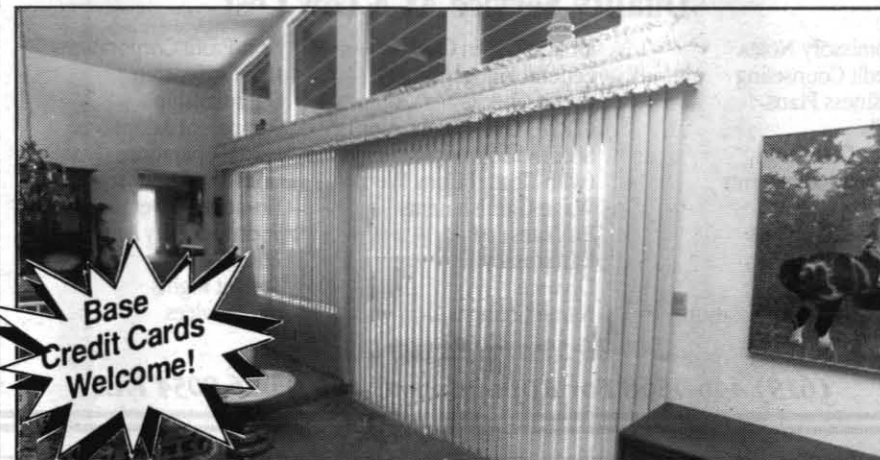


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China Lakers take second place in South Pac Tourney

By Peggy Shoaf
Staff Writer

When Lt. Joe Rist and PR1 (AW/NAC) Gene Hill joined forces a few months ago to compete in the Southern Pacific Racquetball Tournament, they didn't dream they would wind up in second place in the Men's Open Doubles. The double-elimination tournament was held in March at Naval Station San Diego.

Competing against eight other Navy teams from throughout Southern California, the two China Lakers played only fair the first day of competition and lost their first match, PR1 Hill said. "On the second day, when most teams thought we would be eliminated, we got our act together and played like a team," PR1 Hill said.

The two played three matches the first day, and four the second day, including the final match. "All the games were really close," PR1 Hill said. "The scores in the final match were something like 13-15, 15-11 and 13-15. The match really could have gone either way."

Hill felt the deciding factor in the final match was the fact he and Rist had just finished three matches, while their competitor, an undefeated team from Naval Hospital San Diego, had had a rest.

Originally, both players wanted to compete in the singles competition, but their work loads didn't allow it, PR1 Hill said. So they joined forces to represent the Naval Air Weapons Station China Lake in the Men's Open Doubles regional championships.

The NAWS China Lake Morale, Welfare and Recreation Department provided a van and gas to the two men, but they were responsible for the costs of room and board.

PR1 Hill is the leading petty officer for AIMD Paraloft. He has been playing racquetball for a number of years. "I like the one-on-one competition," he said. "It's a competitive and aggressive sport. I have an aptitude for it."

While PR1 Hill talked about the game, it was obvious he had a deep affinity for the game. He admits keeping an eye on the ball isn't always possible. "You have to anticipate where it is going to be," he explained. "That's how you win or lose. If you anticipate incorrectly, you lose that point. If your guess is correct, you win a point. It's a game of the mind over physical strength."

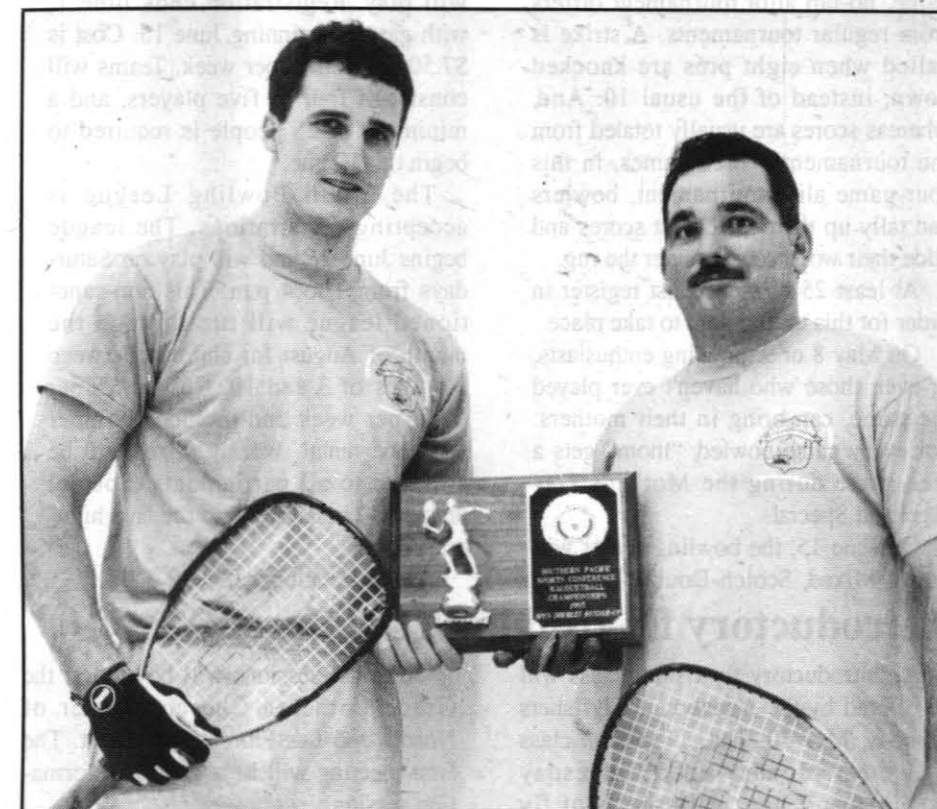
Lt. Rist, a relative new comer to the game, is the Air Test and Evaluation Squadron Five Operational Test Director. He is also a pilot. Lt. Rist admitted he has only been playing seriously for about

a year, but really enjoys the game. "It's lots of fun and challenging," he said.

To prepare for the tournament, Hill said he and Lt. Rist took on all comers. "There's a lot of very good players right here," he said. "Some of them made excellent coaches, especially Ron Derr and George Baland."

Derr is the head of the Naval Air Warfare Center Weapons Division Research Department at China Lake, while Baland works for Kay & Associates Inc.

"When they play us, they can really beat us," PR1 Hill said. "I'm just glad they couldn't play at the tournament."



WINNERS Lt. Joe Rist and PR1 Gene Hill show off their second place trophy.

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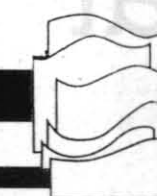
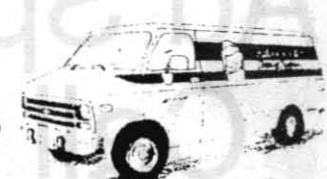
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Picking up the challenge

Five local teams compete in Volkslauf Mud Run

By Peggy Shoaf
Staff Writer

Just over a year ago, members of the Marine Aviation Detachment at China Lake issued a challenge to any other China Lake group, military or civilian, to compete in the 1992 Volkslauf Mud Run at Marine Corps Air Station Tustin. Only one team, consisting of employees from the Ordnance Systems Department, took up the challenge. This year, four civilian teams joined the MAD team in the competition.

Upon hearing that news, the captain of the Marine team, GySgt. Dan Allen, lifted his fist high and said, "Hurrah! I've left my mark at China Lake!"

The Volkslauf Mud Run is an annual event held in March by the Marine Medium Helicopter Squadron 163 at Marine Corps Air Station Tustin. It is a 6.2-mile run consisting of water hazards, obstacles and challenging ditches filled with mud.

Allen noted his team did much better this year than last year, when they finished 302nd. This year, they finished 80th out of 325. The Marine team consisted of Allen, SSgt. Richard Fiorvanti, Sgt. Dan Rouse, Sgt. Robert Baca, Cpl. Joseph Summers and HM3 Ivan Wright (from the Branch Medical Clinic).

The civilians also put on a good showing.

Team Lambo, consisting of Mark Lambert, team captain; Larry Siebold, Dave George, Randy Dwees, Joe Gill and Curtis Davis, finished 17th overall, and seventh out of the civilian teams. According to Siebold, the group finished the race with a time of 55:07.

The China Lake Sand Crabs finished 33rd, with a time of 59:45. The team consisted of Andrew Mitchell, Eric Kajiwar, Sean Kajiwar, Tom Miller, Phil Martin and Chris Rios.

The third China Lake team, consisting of Jerry Kong, Chris Gibbs, Allen Garris, Martin Minthorn, Jim Nerun and Jim Nabity, didn't do as well as their counterparts, finishing 188th overall. "We didn't have enough practice, I guess," said Kong. When asked the name of his team, Kong laughed sheepishly and said, "(Garris) forgot to send in the team name when he registered, so the Marines paid him back by giving us a name they made up." Unfortunately, that name isn't printable.

The only female team from China Lake finished third out of five civilian female teams. Barb Banaszynski, Karen Dysart, Sheri Keyes, Shaline Tucker, Tina Creighton and Amy Goriesky joined forces and pitted themselves against the mud. "I didn't think I was ever going to get out of it (the mud)!" Banaszynski exclaimed. "But we all had a good time."

And that sentiment seems to sum up the feelings of all the contestants. "It was great!" enthused Mitchell. "It was the politest race I have ever been in," he added with a laugh. "If you bumped into someone they would turn around and say, 'Excuse me, sir.'"

Mitchell, who, along with several other contestants, plans to attend next year's race, noted that he overheard 17-year old Sean Kajiwar, a junior at Burroughs High School, say he wanted to form a high school team to compete in next year's event.

While everyone had an enjoyable time, they had to admit it was a dirty race. "I've never seen mud that dirty before," Kong said. "It's like they made a special mixture just for us."

That mud, or a mixture very similar in nature, will be waiting for all the China Lakers who compete in next year's Volkslauf run.



SPORTS



RUNNERS attempt to scramble through one of the "muddy" obstacles.



MAD runners include GySgt. Dan Allen, SSgt. Richard Fiorvanti, Sgt. Dan Rouse, Sgt. Robert Baca, Cpl. Joseph Summers and HM3 Ivan Wright.

Eastern Sierra trout season opens April 24

Crowley Lake will be open for the 1993 Trout Opener, Saturday, April 24, and the fish are hungry, states a report from the Bishop Chamber of Commerce.

Weather conditions often change in the Eastern High Sierra, and anglers are advised to wear layered clothing at the higher elevations. Extreme caution is stressed for ice-covered lakes and streams.

Catches of the day will be displayed in 28 categories at the annual Rainbow Days Fish Display, sponsored by the Bishop Lions Club. The display will be located at the Kmart parking lot on North Main Street from 4 to 8:30 p.m. the afternoon of the opener.

For up-to-date fishing information, call the Bishop Chamber of Commerce at (619) 873-8405.

Agreements may affect China Lake

Naval Air Warfare Center Weapons Division and Naval Air Weapons Station China Lake facilities and projects may be affected by non-strategic arms control agreements. Under the Open Skies and Chemical Weapons treaties, the China Lake site is subject to inspection.

Arms control agreements have become an integral part of the national security policy. They build confidence and promote peace through increased openness and communication in the world community. All China Lakers share the responsibility to help the country implement and comply with arms control agreements, and this responsibility can improve the ability to maintain the China Lake tradition for excellence.

The United States and 24 other countries signed the Treaty on Open Skies in March of last year, as part of wide-ranging international confidence-building measures. The entire nation is subject to overflights by aircraft equipped with approved sensors, initially including optical framing and real-time video cameras with a ground resolution capability of 30 centimeters. Eventually, linescan

infrared, synthetic aperture radar and possibly other sensors will be added. China Lake could be subjected to a significant number of overflights annually.

Impacts to programs include possible range-test delays and information compromise. Employees should assess the possible specific impacts and means to reduce the adverse effects. A Navy alert notification network to advise of a scheduled overflight was operational March 1. An internal China Lake notification network is being developed.

The various Chemical Weapons treaties include a bilateral data exchange and verification experiment (the Wyoming Memorandum of Understanding (MOU)), the Bilateral Destruction Agreement (BDA), and the multilateral Chemical Weapons Convention (CWC). The MOU was signed by the United States and USSR (Russia) in 1989 and is currently in effect. The BDA was signed by the United States and USSR (Russia) in 1990 and may be in force this year. The CWC was signed by the United States and 130 other United Nations members in January and may be in force after March 1995.

China Lake is subject to challenge

inspections under all chemical weapons treaties. These challenge inspections are highly intrusive, short-notice events. They are conducted by a foreign inspection team with U.S. escorts. For the two bilateral treaties, the inspectors will be Russians. For the CWC, the inspectors will be multinational. The main impacts to China Lake programs are the effect on Station operations and possible information compromise due to an unprecedented human presence in workspaces. The alert notification network will also be for this scenario.

"We can manage the impacts of these treaties by paying attention to the way we protect our work," said Karl Ficenc, head of the Non-Strategic Treaty Coordination Office. Additional information will be provided in the annual security refresher. The Non-Strategic Treaty Coordination Office is tasked with implementing procedures to comply with the treaties described and protect our national security due to treaty-related inspections. Call them at 939-0521 or 939-0522 with any concerns or to request a briefing.

Law Day is May 1

WHEREAS, May 1 is Law Day U.S.A. in the United States of America, and...

WHEREAS, The United States of America has been the citadel of individual liberty and a beacon of hope and opportunity for more than 200 years to many millions who have sought our shores, and...

WHEREAS, The foundation of individual freedom and liberty is the body of the law that governs us, and...

WHEREAS, The Constitution of the United States of America and the Bill of Rights are the heart of that body of law, which guarantees us many freedoms-including freedom of religious belief, freedom of assembly, freedom of speech, freedom of press, freedom of petition, and due process of the law among others, and...

WHEREAS, This year marks the 36th annual nationwide observance of Law Day, and the Congress of the United States and the President by official proclamation have set aside May 1 as a special day for recognition of the place of law in American life...

NOW, THEREFORE, I, Commanding Officer of NAWWS, China Lake, CA, do hereby designate May 1, 1993, as Law Day U.S.A. and call upon all military and civilian personnel to commemorate the role of law in our lives.

B.J. Craig
Captain, U.S. Navy

Opening Day Ceremonies start season for IWV youth softball

Captain B.J. Craig, Commanding Officer of the Naval Air Weapons Station China Lake, threw out the first pitch in the Indian Wells Valley Youth Softball League Opening Day Ceremonies last Saturday.

"I'm particularly proud to have something to do with supporting IWV sporting events," Capt. Craig told the IWVYSL Board of Directors, their guests, players and their parents, and the league's volunteers attending the event. "As long as I'm here, I will continue to support these programs."

The NAWS China Lake Color Guard, consisting of DP2 Danny Walton, AMS3 Alejandro Perez, AEAN Roberta Nelson and AMS3 Brian Wood, opened the event with the presentation of colors.

In opening remarks, Sean Keck, the league's president, noted there was an "all time high for membership and adult participation" this year. There are currently 187 players in the league, making up seven teams in the Colt Division, five in the Bronco Division and four in the Pinto Division.

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Happy Birthday Mr. T

China Lake Law Enforcement Officer Zurn graduates at top of his dog-handling classes

By Peggy Shoaf
Staff Writer

When Roger Zurn attended two dog handling classes at Lackland Air Force Base last year, he never dreamed he would graduate at the top of both classes. But at a recent site meeting, Capt. B.J. Craig, Commanding Officer of the Naval Air Weapons Station, recently gave the Law Enforcement Security Division officer the plaque showing he was, indeed, a "distinguished honor graduate."

Police Officer Zurn noted the first class dealt with patrol handling and detector training. During the seven week course, students were taught how to teach their dogs and worked with them on obedience and aggression.

During the second class, students learned the principals of conditioning. "Basically we were taught how to think like a dog," Zurn said with an impish grin. Zurn said this was an important factor when an officer and dog are searching for narcotics and explosives.

One of the hardest things to adjust to was class times, which were designed for

the military students, Zurn said. They got up at 4 a.m., and class began at 5. Something else that took a little bit of adjusting to was the odor of the kennels, housing about 350 dogs.

Zurn's dog, Rudi, is a patrol, explosive detector, bomb dog. The three-year-old Belgian Malinois is one of the Law Enforcement Division's remaining two dogs. Because of his anti-social behavior (he likes to bite), Rudi can't be used to demonstrate to school-age children what patrol dogs can do.

Officer Zurn was given a plaque naming him "distinguished honor graduate" at a recent site meeting

This honor belongs to Cito, the division's other dog. A third dog, Elske, recently passed away. Both Cito and Rudi are used to sniff out narcotics and explosives in the barracks and in work areas and in random vehicle searches. Their main purpose is to prevent people from bringing weapons and contraband on Station, Zurn said. "These random searches act as deterrents," he added. "The more the people know what these dogs can do, the less apt they are to bring contraband on Station."

A new dog should arrive in a couple of weeks, Zurn said. By end of next year, he hopes the Station will have four dogs.

Born and raised in Ridgecrest, Zurn has been with the Law Enforcement Security Division for two-and-a-half years. Before becoming a policeman, he owned and operated his own nursery in Ridgecrest.

"But I wanted to give something back to my community," Zurn explained, "so I became a reserve deputy in Inyo County."

He enjoyed the work so much he became a full-fledged law enforcement officer. Zurn said he was accepted for duty at China Lake because of his experience as a reserve deputy. To further his career, he attended the Riverside Police Academy last year.

Between the academy and dog handling classes, he was away from his wife, DeAnna, and their two children, Ashley and Adam, for seven months of the year.

"My wife is very supportive," Zurn said, "all wives of law enforcement officers have to be. We work long, hard hours. We try not to take our work home

with us, but sometimes that's just not possible."

Now that his school work is behind him, Zurn wants to put all his efforts into making China Lake a safer place to work and live.



Photo by Terry Pascarella

RUDI, a patrol, explosive detector, bomb dog, and his handler, Officer Roger Zurn.

Child care workers share what they learned at 'Shaping Healthy Choices Into Action' conference

Food service workers at the Child Development Center at the Naval Air Weapons Station China Lake have recently returned from a conference "Shaping Healthy Choices Into Action," in Costa Mesa, Calif.

Following are some of the ideas the food service workers learned and an explanation of some of the changes they will begin implementing into the Child Development Center's daily food program.

The most important piece of news, said Laura Kadri, is that the United States Department of Agriculture has thrown out the basic four food groups and have replaced them with the Food Guide Pyramid. This pyramid is designed to help improve the way people eat and allows them to make gradual changes, improving their health and making it easier to build a better diet. Kadri is the Child Development Center's USDA coordinator.

The conference goals were to encourage development of life-long healthy eating habits by teaching children the relationship

between food and health. As the China Lake employees attended workshops specifically designed for child care food programs, they were instructed on the importance of healthy choices at the earliest time possible. They were reminded of the difficulty they and parents face with all the media advertisements and peer pressure the child receives. They spent time learning new ways to prepare nutritious meals; how to lower fat and cholesterol; the importance of increasing vegetables, fruits and grains; how to use sugar in moderation; and ways to modify recipes for a healthier menu.

Some of the menu changes recommended include using low fat milk for children over the age of one year; use pureed fruit instead of syrups; stop using salt and sugar as an added ingredient; buy whole wheat/grain breads instead of enriched flour; cut back fat by using more ground turkey; avoid unlabeled foods; use more fresh and frozen fruits and vegetables instead of canned; replace meat once weekly with beans, a

good source of protein without the added fat; lower cheese intake; and purchase low-fat dairy products.

Child Development Center personnel will also start introducing menu items that the children can help prepare themselves.

Examples of healthful finger food for younger children include apple wedges, banana slices, berries, broccoli flowerets, carrot sticks, cauliflowerets, celery sticks, cheese cubes, dried peaches, dried pears, grapefruit sections (seeded), green pepper sticks, melon cubes, orange sections, peach wedges, pear wedges, pineapple sticks, pitted plums, pitted prunes, raisins, tangerine sections, tomato wedges, turnip sticks and zucchini sticks.

"Child care and developmental programs have a unique opportunity to shape the development of health promoting behaviors in children and to reduce their risk of chronic disease," Kadri said. "We are working as a team to implement changes for a healthier program at China Lake."

Arts-n-Craft Fair set for May 15 at Craftech

On May 15, the Morale, Welfare and Recreation Department Craftech Center is sponsoring an Arts-n-Craft Fair. From 8 a.m. to 3 p.m., a variety of arts and craft will be on sale. People wanting to reserve a space to sell their crafts are asked to call 939-3252 as soon as possible. Reserved spaces are \$5 each.

During the fair, a Porcelain Doll Show will be held, with patrons voting for their favorite doll.

To learn more about this event, call Craftech at 939-3252.

Padre vouchers available

Baseball action has started and the Naval Air Weapons Station China Lake Craftech Center has vouchers for Padres' baseball games. Cost is \$9.70 for field seating and \$8.20 for loge seating. Vouchers, valid for one seat for almost any home game in San Diego, must be exchanged for the best available seating at the Padres box office.

Regular gate prices are \$11 and \$9.50.

Magic Mountain honors military

During May, Magic Mountain is offering a special military discount. The Naval Air Weapons Station China Lake Craftech Center is selling these discount tickets for \$14.50 per person over 48 inches tall. Regular admission is \$26.

During May 1-2 and May 8-31, military and Department of Defense personnel can take advantage of Magic Mountain's attractions. Experience more than 100 rides, shows and attractions.

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Hall Memorial Lanes is under new management

Customers' needs are employees' No. 1 priority

By Peggy Shoaf
Staff Writer

In addition to its new synthetic lanes and a wider menu at its snack bar, Hall Memorial Lanes has an improved attitude. "The customers' needs should always come first," said John Piroaska, the bowling center's new manager. "All the people working here have undergone a refresher in customer service orientation supporting that philosophy."

And the employees are doing a "bang up" job of doing everything they can to make the customer happy at the bowling center, Piroaska said.

Ultimately, Piroaska would like to see a relationship between his employees and the customers that shows respect on both sides. "I want my people to treat the customers so well, that they will, in turn, respect the employee," he said.

In the past few months, the bowling center at the Naval Air Weapons Station China Lake has undergone a number of changes. Piroaska, who also heads the Auto Hobby Shop, picked up the management reins of Hall Memorial Lanes in January.

Party Bowling

To meet the needs of its customers, the bowling center has added new services, including "Party Bowling." This is where a group of military or department of defense employees join their supervisors and co-workers in a relaxing, social fun-filled afternoon of bowling, Piroaska said.

"Not all recreation should be held during off duty hours," Piroaska said. "If management really wants to motivate its people, whether military or DoD, the best thing they can do is to take their employees, as a group, out for an afternoon of fun, away from the job. I guarantee you, the motivation the employees will go back with will last for at least three or four months. The fun, plus the camaraderie they build with their bosses and fellow workers, will go a long way."

Groups can reserve the bowling lanes from 1 to 5 p.m. Monday through Friday, including flex Fridays. Prices will vary, depending on the size of the group and types of refreshments being requested. Refreshments for a group of 20 will generally run around \$45. Bowling fees range from \$1 a game per military member to \$1.35 a game per DoD employee. Shoe rental fees are waived.

Piroaska noted during the Air Test and

Evaluation Squadron Five party a few weeks ago, a food inspector from the Branch Medical Clinic noted how much fun everyone was having. He went back to his office and talked his supervisors into having one.

"This is something I really feel strongly about," Piroaska said. "This type of interaction promotes a good employee, management relationship. Of course, we would like them to try it first here at the bowling center," he added with a grin.

To accommodate bowlers who don't have their own ball, an order for new balls has already been placed. "We should soon be able to replace every bowling ball in here," he said.

Expanded Menu

Another change customers will see is an expanded menu at the center's snack bar.

"We now offer a number of excellent lunch time specials that are

new," Piroaska said. "Everyone who has been coming in has been talking about them."

Lunch time specials include open face turkey and roast beef sandwiches; an A-6 burger, which is a half pounder; a chili-size, which also includes a half pound of meat; and a polish sausage special, which includes two polish sausages, potatoes and sauerkraut. The California roast beef sandwich (which includes Ortega chili grilled on sour dough) and the giant-size pretzels are also new.

Just in time for the 100 degree plus temperatures, Hall Memorial Lanes is now offering soft-serve ice cream. "Beat the heat this summer with an ice cream cone," invites Piroaska.

"In addition, we have solved our Hostess products supply problem," Piroaska said, "and are now able to keep a good stock of Hostess pastries."

Piroaska, who is unable to bowl anymore due to a past injury, noted he still enjoys the sport and wants people to have fun when they come out to Hall Memorial Lanes, whether for lunch, an afternoon of bowling or "whatever."

"This is not the same house you complained about," Piroaska tells past customers. "We have a new attitude and new atmosphere. Come on in and enjoy some good food and have fun bowling!"

Hall Memorial Lanes is open from 11 a.m. to 9 p.m. Monday through Friday, 1 to 10 p.m. on Saturdays and 1 to 9 p.m. on Sundays. Holiday hours are from 1 to 8 p.m. "Of course," Piroaska said, "these hours can be flexible to meet the customers' needs."



MWR



Photo by Terry Pascarella

TEAM spirit was in high gear when the Branch Medical Clinic took time to socialize at Hall Memorial Lanes. "Party Bowling" is just one of the new features being offered at the Station's bowling center.

Openings still available in the Moving On Up Summer Program

The Naval Air Weapons Station China Lake Moving On Up Summer Program is available to children in kindergarten through sixth grade.

Activities planned include swimming, arts and crafts, bowling and matinees Mondays through Thursdays and non-flex Fridays.

This summer program is for military

and Department of Defense dependents only.

Openings in the program are filling up fast, so reservations should be made as soon as possible. Reservations may be made by stopping in the Youth Center, located next to the Crafttech Center on the corner of Richmond Road and King Avenue.

Crafttech offers a variety of classes

Crafttech is taking registration for a variety of classes.

Classes being offered include Sketching, held on payday Fridays; Porcelain Doll; Ceramics, held on payday Fridays;

Water Coloring; Sketching, held in the afternoons; Tole Painting; and Beginning Leather Craft.

Call 939-3252 for dates, times and costs of the classes.

Fair discount tickets are on sale

Josh's Jamboree discount ticket booklets are on sale at the Crafttech Center, located on the corner of Richmond Road and King Street. The booklets, which

consist of 25 tickets, are \$10 each, a 33 percent savings from the gate price. Josh's Jamboree will take place at the Ridgecrest fairgrounds May 6-9.

Youth's summer brochure due out by end of April

Discover the Magic, the Youth Activities' Summer Brochure, should be out by the end of April. Some of the youth pro-

grams include summer basketball, soccer camps, hockey, tennis, swimming lessons, woodworking, art and so forth.

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Today is Earth Day...

(Editor's note: Following is the Earth Day message from F. B. Kelso II, Acting Secretary of the Navy.)

Today (April 22) Americans and people around the world will observe Earth Day. In the generation since the first Earth Day in 1970, human sensitivity toward man's impact on the natural environment has developed remarkably. Nations are learning to act in concert to address global environmental issues. Industries are learning that pollution prevention and environmental compliance saves money as well as the environment. We, as individuals, are learning our actions make a difference. Not just today, but for future generations.

In the midst of this evolving environmental consciousness, we who serve in or support the Navy and Marine Corps have undergone a cultural change of our own. Environmental awareness and concern are readily apparent in our ships, squadrons and battalions, and cover every aspect of our business. As Chief of Naval Operations and acting Secretary of the Navy, I am extremely proud of the Navy and Marine Corps environmental ethic and our leadership role in environmental stewardship and compliance.

I strongly encourage your involvement in your local community Earth Day activities. I ask that you use this opportunity to enhance and highlight your nat-

ural resources and environmental programs, initiatives and achievements in partnership with public and private environmental organizations in your community. Through action-oriented programs, teaching and practicing, the Navy and Marine Corps can demonstrate our genuine concern for our natural heritage and for the legacy we will leave for future generations of Americans.

Our environmental commitment is the focus of the April 1993 issue of All Hands Magazine, which contains many examples of how you have been, and can be, engaged and involved in saving the environment. (A story on China Lakes geothermal program is in this month's issue.) The efforts shown demonstrate today's sailors and Marines are making a difference, and are taking the lead in making the world a healthier, safer place to live, for all of us.

As you participate in and create your own Earth Day activities, consider that this country's magnificent natural environment is one of the many gifts we serve to protect. Stewardship of the natural environment is entirely consistent with our national defense mission, and is simple the right thing to do. The American people have chosen to make this country the world leader in environmental protection, their Navy and Marine Corps will lead the way.

Your Environment

Chief Sealth responds to request for land

(Editor's note: The following has been edited from a speech delivered by Chief Sealth (Seattle) to the Pacific Northwest Suwamish tribe in response to an offer by President Pierce to buy the tribal land. The words spoken in 1854 impart a timeless environmental message.)

"The Great Chief in Washington sends words that he wishes to buy our land..."

"How can you buy or sell the sky, the warmth of the land?"

"Every part of this earth is sacred to my people. Every shining pine needle, every sandy shore, every mist in the dark woods, every clearing and humming insect is holy in the memory and experience of my people. The sap which courses through the trees carries the memory of the red man."

"The perfumed flowers are our sisters; the deer, the horses, the great eagle, these are our brothers. The rocky crests, the juices of the meadows, the body heat of the pony and man—all belong to the same family."

"The rivers are our brothers, they

quench our thirst. The rivers carry our canoes, and feed our children. . . you must henceforth give the rivers the kindness you would give any brother."

"The air is precious. . . and if we sell you our land, you must keep it apart and sacred, as a place where man can go to taste the wind that is sweetened by the meadow's flowers."

"Teach your children what we have taught our children, that the earth is our mother. Whatever befalls the earth befalls the sons of the earth. . . Man does not weave the web of life, he is merely a strand in it. Whatever he does to the web, he does to himself."

"So if we sell you our land, love it as we've loved it. Care for it as we've cared for it. Hold in your mind the memory of the land as it is when you take it. And with all your strength and with all your mind, with all your heart, preserve it for your children and love it."

Edited from "Chief Seattle's Message" in *Thinking Like a Mountain* as translated by Dr. Henry Smith and Ted Perry.

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Secretaries Week

China Lake secretary sees many changes in her 35 years of being a member of the team

By Peggy Shoaf
Staff Writer

After being a China Lake team player for 35 years, Mary Ann Brown has decided to give up her steno pad April 30. As the Intercept Weapons Department secretary, Brown has decided she's "too old" for all the changes now occurring.

Since she first became a civil servant at what was then known as the Naval Ordnance Test Station in 1955, Brown has experienced a number of changes. Not only did she see NOTS become the Naval Weapons Center, she experienced the change to the Naval Air Warfare Center Weapons Division and the Naval Air Weapons Station China Lake.

But the hardest change to accept, is the phone system, she said. "This system just doesn't fit our office and I'm tired of talking to answering machines and operators. What really gets me is when I call someone and get the machine that says so and so can't come to the phone right now and she (or he) isn't hooked up to Voice Mail. Then I hear a click."

The restrictions and structural changes have also been hard to adjust to, Brown confessed. There are so many more administrative things a person has to do and more levels that have to be gone through before anything can be accomplished.

After working for two years, Brown said she took some time off to have a family. She came back as a secretary for the Engineering Department in 1960 and worked until 1962, when she took another six months off.

When she came back, she was a secretary in the Shrike Program Office, working under the leadership of Bill Porter, former NAWCWPNS deputy commander for research and development.

In 1983 she moved with Porter to the 06 Directorate, where she worked for three years. Because she missed mentoring the new secretaries coming aboard the Station, she returned to being a department secretary. She's been with the Intercept Weapons Department since 1986 and has worked with three different



Mary Ann Brown

department heads, Dillard Bullard, Sandy Rogers, and her current boss, Jon Wunderlich.

Reflecting back at all the changes that have occurred during her 35 years, Brown said the biggest change, and the most obvious one, was the computers. "When I started here, I had an electric typewriter, but that was it. It wasn't even a Selectric. We went to magnetic cards and then to computers."

Brown credits computers with the growth of responsibilities secretaries now carry. "They gave us more time to do administrative-type of things," she explained.

Another change she has noticed, especially in her department, is an attitude change by the secretaries. "More and more secretaries are proud to be a secretary," she explained. "We now have an opportunity to

do more things."

The way others view secretaries is still changing. "For the most part, we are viewed as professionals," Brown said. "It didn't use to be that way."

After her retirement, the part she is going to miss the most, she said, is mentoring the other secretaries. In her current position, Brown helps train and supervises 43 other secretaries. "My main job is to pull them together as a team," she said, "and to make sure they have the training they need."

She is also going to miss being part of the Corporate Secretaries Board, something she helped to establish. "It has worked into a real productive organization," Brown said. "It does really good things for the secretaries on Station."

In talking about her worst assignment, Brown said it had to be the time she was secretary to two branch heads who wouldn't talk to each other. "One would shout out to me to tell the other something, and I would have to relay that message to the other person. I was their go between. It was a really uncomfortable situation."

Brown said she didn't plan on going out and getting another job right away. During the summer, at least, she plans to sit back and unwind.

Eventually she would like to try her hand at some volunteer work, either at the hospital, the local schools or Beverly Manor. But most of all, she would like to do her part for cancer research. She explained she lost her husband to cancer and suffered with it herself, so she has a personal interest in helping out.

Asked what advice she would give to people thinking about joining the secretarial field, Brown said, "I think they must have a desire to be a secretary and really enjoy the work. They need to find a boss that is loyal to them and who will give them the opportunity to grow. Bosses are the key. They can build up self-esteem or destroy it."

Brown feels she has been very fortunate with the bosses she has had in the past. They have always treated her as part of the team and given her the opportunity to grow. "They've been the best," she said.

Secretaries and administrative assistants important to business

Reprinted from *Communications Briefings*
Blackwood, NJ

With Professional Secretaries Day held yesterday, April 21, let's consider the importance of secretaries and administrative assistants to a business.

Consider this statistic from *Management Review*:

If managers spend 30 percent of their workweek on secretarial tasks, a company may be wasting as much as 15 percent of its annual payroll.

The problem: Many companies, trying to cut costs, have reduced their support staffs. **The solution:** Hire secretaries and administrative assistants and allow managers to do what they're paid to do.

Companies, however, must do more than just hire secretaries and administrative assistants. They must treat them well and allow them to help increase productivity.

And if they ask secretaries and administrative assistants to assume tasks of middle managers whose jobs have been eliminated, they should pay them adequately.

Here are a few suggestions, some of which are based on focus groups we have held with secretaries and administrative assistants:

- Don't overuse secretaries. Give them a role in decision-making and authority to act once they have proved their ability to deal with certain situations.

- Value their time. Don't ask them to do chores that can be handled by others. And, when they are working on something vital, don't interrupt them with tasks that can be handled later.

- Be sure your priorities are clear. Nothing angers secretaries more than working late one night on job B and having the boss come in the next day and ask for job C.

- Meet daily with your secretary to go over the day's plans. This will help avoid missed appointments and

will allow you to touch base on the little things that you don't have time for later.

- Introduce your secretary to guests when they drop in. Both your secretary and the guest will be more comfortable when they deal on the phone. Don't treat your secretary like a piece of furniture when important people visit.

- If you don't use a dictaphone or a similar recorder, learn to do so. This makes it easier for your secretary to get to your work.

- Always let secretaries know where you are going and when you plan to return. Spending time finding you is rough on them.

- Never blame secretaries for your mistakes. You'll lose the loyalty of valuable assistants. Better yet, admit your mistakes; you'll be appreciated as an honest and credible person.

- Give secretaries the time and funds to attend seminars and workshops. The money and effort pay off.

Propulsion Laboratory gains two new buildings

Recently a joint ribbon cutting ceremony officially opened the two newest office buildings at the China Lake Propulsion Laboratory, commonly known as the "Clip" area.

Shops in the Construction/Projects Support Division of the Public Works Department, led by Division Head David L. Hawkins and Jerry Austin, construction general foreman, were responsible for the construction of both buildings. The Engineering Division and the Customer Liaison Division contributed to ensure the project's success, working closely with the craftsmen from the shops to produce a design that would meet the needs of the tenants.

The two new buildings, 11093 and 11094, are located on D Street and now house the Propulsion Systems Technology Branch of the Ordnance Systems Department. The branch provides design and development capability in the areas of propulsion, propulsion control and missile power systems with particular emphasis on missile system integration, thrust vector control, advanced applica-

tions, experimental hardware and proof-of-principal testing. More than 30 scientists, engineers and technicians call the branch home, 10 of them in the Actuation and Power Systems Section. The Unconventional Technology Office is also a part of the section. Branch members had previously been scattered throughout several buildings in the Clip area.

The Public Works Department was put to the challenge of building a facility in the most cost-effective manner providing the opportunity for the PWD craftsmen to use their skills to build rather than remodel or rehab a building. Two identical buildings were constructed by contract in 1991 at a cost of \$420,000 and took four months to complete. The two buildings built by Public Works were constructed at a cost of \$372,000, had slight modifications and upgrades and were completed in the same amount of time. By doing these projects in-house, the Public Works Department saved China Lake's Capital Purchase Program account more than \$42,000.



Photo by Terry Pascarella

CUTTING the ribbon to officially open two new office buildings at the China Lake Propulsion Laboratory are (l to r) David Hawkins, Public Works Department construction general foreman, and Gerry Schiefer, Aircraft Weapons System Director. Watching the event are (l to r) Dan Goss, Ordnance Systems Department Head, and Stuart Blashill, Propulsion Systems Technology Branch Head. A savings of more than \$42,000 was realized by having Public Works perform all construction of the buildings.

Local Society of Hispanic Professional Engineers chapter offers scholarships

Members of the China Lake Chapter of the Society of Hispanic Professional Engineers will soon be awarding educational scholarships to qualifying graduating high school and college undergrad-

uate or graduate students. Deadline to apply for a scholarship is May 31.

To be eligible, applicants should be interested in pursuing careers in engineering, mathematics or the mathemat-

ics-based sciences. The scholarships will be for \$300 minimum, with the maximum depending on funds available.

For more information about the scholarship, or to receive a scholarship

application, send a self-addressed stamped envelope to: Society of Hispanic Professional Engineers, P.O. Box 2154, Ridgecrest, CA 93556, ATTN: Scholarship Committee.

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SECURITY from Page 1

Requirement (C&R) to a letter of reprimand. There was no consistency in the matter of discipline between departments.

Recently, new guidelines have been established to eliminate that inconsistency.

Under the new guidelines, the minimum remedial action that will be taken is a C&R, which will be held by the supervisor for one year. If no further violations occur within that one-year period, the C&R will be destroyed. C&Rs will be the minimum remedial action taken against most first offenders in the less severe security violations, Hammonds said. Less severe security violations are those in which the classified material has not been compromised; that is, only people who had the need to know has had access to the material. Other actions could include a formal letter of reprimand to a five to 30-day suspension or removal, if the situation warrants it.

If it was suspected that someone who didn't have the need to know might have seen the material, then it becomes a security violation with compromise, and tougher disciplinary actions are called for. These actions

could include a letter of reprimand, which would be placed in the employee's official personnel file, a suspension or even a removal, depending on the situation.

For military personnel the minimum remedial action is a non-punitive letter of caution. These letters will be handled in the same manner as C&Rs issued to civilian employees. For second and third offenses, appropriate disciplinary action will be taken under the Uniform Code of Military Justice.

In 1992, there were 21 security violations recorded at Chinas Lake, while in 1991, there were 15, noted Hammonds. As of last week, there have been four violations reported for 1993.

Rear Admiral William E. Newman, NAWCWPNS Commander, notified all department heads and heads of staff about the new guidelines in a letter dated April 1.

These guidelines are the same as those RAdm. Newman introduced to Point Mugu in 1989, Hammonds said. Now the guidelines in the entire organization are the same.

Most types of security violations are without compromise, RAdm. Newman stated, and result from careless-

ness or the assumption that security responsibility belongs to someone else. "Security of classified information is the responsibility of each employee," the Commander stressed.

Security Division personnel will continue to stress the importance of security awareness in their briefings for new employees and during the annual refresher briefings.

The 1993 Annual Security Refresher Briefings began April 20. Additional briefings are set for today, April 22, and April 27 at the Station theatre. Other briefings are planned for April 28 at EWTES and April 29 in the CLPL area. People outside of those areas who want to attend one of these briefings should call the code to see if there is enough room. The one-hour sessions begin at 10 a.m. and 1 p.m. Two make-up sessions will be held at 10 a.m. and 1 p.m. May 11 at the Station theatre.

Attending one of these briefings is mandatory for all personnel who have a security clearance. Badges will be scanned so employees can receive credit for attending. Personnel without clearances and contractors are also encouraged to attend.

March goes down as third warmest in China Lake history

With a mean (average) temperature of 59.2 degrees Fahrenheit, March 1993 went into the record books as the third warmest, noted a report from the Range Meteorology Office at the China Lake site of the Naval Air Warfare Center Weapons Division.

The last morning of the 1992-1993 winter season having a temperature of 32 degrees Fahrenheit or less was March 1. The average date for this occurrence

is March 20. In addition, the fifth highest station pressure, 950.9 millibars, for the month of March was recorded.

While March is normally regarded as the windy month of the year, the winds were generally light. Prevailing winds averaging 15 knots or higher were recorded on one day, while peak winds of 35 knots or higher were recorded on two days.

Measurable precipitation was recorded on three days, with trace amounts recorded on three other days. On the afternoon of March 21, a thunderstorm moved over the valley with many residents reporting pea-size hail. During the morning of March 28, snow fell on the mountains west of China Lake and those on the north range.

High pressure was across the region during the first two weeks of the month.

On March 9, a disturbance aloft moved over the local area and by March 13, the southern branch of the jet stream was over southern California. A cold front moved through on March 17, then high pressure prevailed until March 24. Another low pressure system influenced the local weather from March 25 through March 28.

March ended as it started, with high pressure in control.



For Mothers Day We're Blowing up



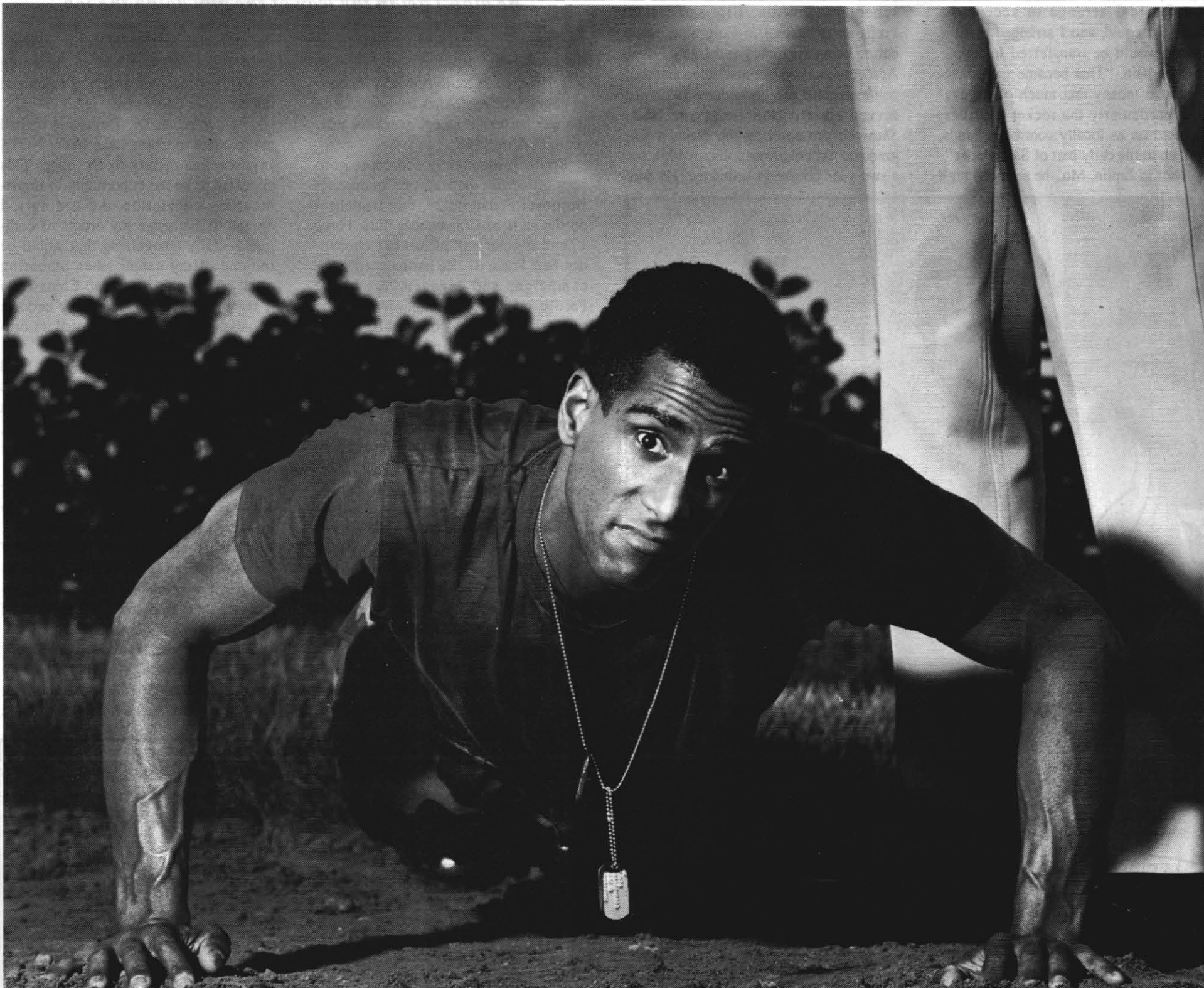
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SMITH from Page 1

me. Could I arrange to accept the money? I could, and I arranged that the money would be transferred to Inyokern," he said. "That became the nonaccountable money that much of the Station, particularly the rocket facilities, operated on as locally controlled funds, even up to the early part of Sidewinder."

Born in Joplin, Mo., he attended high

school in Grafton, Ill., and Hall's Preparatory School in Columbia, Mo., before being appointed to the U.S. Naval Academy in 1928. He graduated and was commissioned ensign in June 1932. He served aboard *USS Texas* and *USS Shaw* before entering the Naval Postgraduate School, Annapolis, in 1938 for a two-year course in ordnance. He was



ROCKETS AND EXPLOSIVES Deputy Department Head, Capt. Smith, in 1951.

'...he didn't get in the way of the guy doing the job.'

then assigned to BuOrd in the Magnetic Range Subsection from Sept. 1940 to July 1941, when he joined *USS Bulmer* as gunnery officer. After the breakout of the war he served as her executive officer until April 1942.

Smith subsequently served as gunnery officer on the staff of Commander Destroyer Squadron 29, flag lieutenant on the staff of Commander Task Force 17 and as chief staff officer to Commander Task Force 67. He participated in 11 campaigns and engagements in the Pacific, including the battles in which he survived the sinkings of the aircraft carrier *USS Hornet* and cruiser *USS Northampton* in October and December 1942. He also took part in the battle of the Philippine Sea as gunnery officer of the cruiser *USS Indianapolis*, where he served from April 1943 to Sept. 1944, when he returned to BuOrd.

In the 1989 interview, he said his time at sea both early in his career and during the war impressed him with the importance of developing technology. "In BuOrd again, my perspective further broadened, and by 1946 I became convinced that I could have a greater influence on the outcome of the next major war," he said, "...by continuing in ordnance engineering than by continuing to rotate between sea and shore duty." But, he explained, there were no vacancies in

the allowable number of ordnance engineering duty officers, and in the spring of 1947 he received orders to command the destroyer *USS Furze*.

"At this point, Dr. Thompson invited me to come to China Lake [then NOTS Inyokern] as deputy to Dr. Sage. This appeared to be the opportunity to implement my conviction. Accordingly, I agreed to exchange my orders to command—fully recognizing that would be the end of my career as an operating naval officer—for orders to China Lake if the bureau chief would fully endorse my application to be designated an ordnance engineering duty officer."

In 1949 Smith began serving as head of the NOTS Rockets and Explosives Department. In October 1951 he was promoted to captain and, in November, was assigned as associate technical director.

"Levering was a meticulous manager who managed in detail by being fully informed of detail himself," said Dr. Hugh W. Hunter, a head of central staff for NOTS in the 1950s. "He knew everything that went on. He expected performance... (but) he didn't get in the way of the guy who was doing the job."

According to Babcock and Doig, Smith and his wife, Beulah, are fondly remembered as "Rosie and Boots" on the China Lake social scene. Oldtimers

FRAGMAP can help predict shrapnel impact on munitions

By Peggy Shoaf
Staff Writer

If a warhead or rocket motor detonates aboard a ship or an aircraft, fragments may set off a chain reaction with the adjacent munitions, resulting in disaster. How can the Navy predict and prevent this type of chain reaction?

According to Ross Heimdahl, an engineer in the Naval Air Warfare Center Weapons Division Research Department, there is a way to predict what the fragments of a detonated munition are going to do—by using FRAGMAP.

Designed at China Lake, the Fragment Impact/Munition Response Analysis for Guidance

in Mitigation Assessment Program is an interactive computer program, implementing an approach for assessing the likelihood of the detonation or lesser response of a cased munition due to fragment impact and the effectiveness of mitigation measures. This approach is done by using a specified formulation or code. The code is written in VAX FORTRAN, using the DISSPLA plotting package.

The program was developed by Heimdahl; Kenneth L. Woods, Research Department; Eric A. Lundstrom, Ordnance Systems Department; and Martha R. Wagenhals, Intercept Weapons Department.

Because this is a relatively new and unique program, it doesn't have wide

usage yet, Heimdahl said. But that is soon going to change. Heimdahl has been asked by the NATO Insensitive Munitions Information Center to teach a class on FRAGMAP at its Digital Headquarters in Brussels, Belgium, in early May. Approximately 25 students, scientists and engineers from all the NATO countries will be on hand to learn about

FRAGMAP, said Jo Covino, head of the Research Department Applied Mechanics Branch.

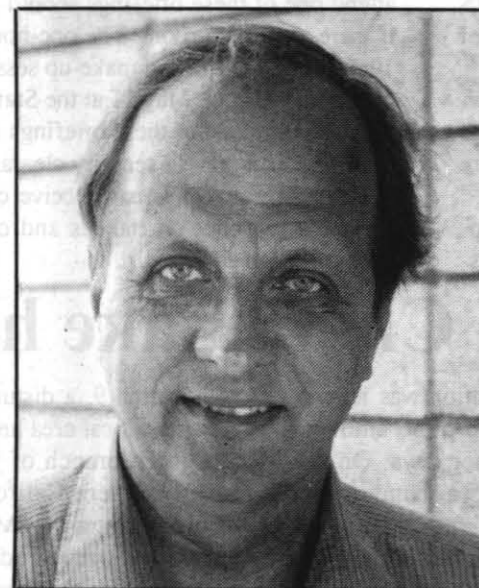
"Basically, FRAGMAP is intended to be a tool used in determining the vulnerabilities of munitions," Heimdahl said. "There are a variety of responses that can occur."

The best type of response, of course, is no reaction. "There is insufficient velocity and mass for the fragments to penetrate of the case of the munition," Heimdahl explained. "It just ricochets off the munition casing."

The most violent response would be a detonation. "If the fragment hits with sufficient mass and velocity, causing a high enough pressure inside the casing, a detonation could occur," the engineer said.

Between these two responses are lesser reactions, such as fire. "But aboard a ship or aircraft, a resulting fire can also be bad news," Heimdahl explained.

FRAGMAP works toward a solution through analysis, Heimdahl said. This analysis has three parts: characterization of the fragment threat; the drawing of a response model to the threat, called a



Ross Heimdahl

TECHNICAL HIGHLIGHTS

response plot; and application of mitigation calculations, or appropriate changes in the original formula or code, until the threat is gone.

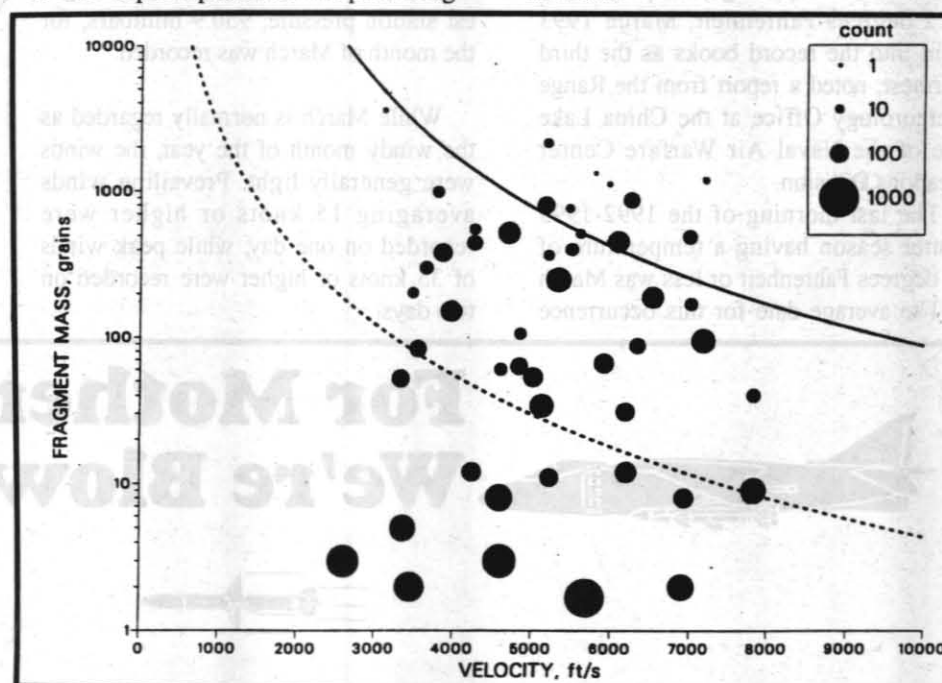
The fragment threat consists of fragment masses, velocities, numbers and directions of flight. This kind of information is obtained from tests. After the tests, the fragment threat is calculated and plotted.

Munition response to fragment impact is characterized by calculating the shock-to-detonation-transition threshold and ballistic limit velocity of the munition. A plot is drawn showing three response areas—ricochet (low hazard), burn-to-violent, or BVR, reaction and detonation. The fragment threat map is then superimposed on the plot. Frag-

ments in the detonation and BVR areas are the ones we need to worry about, Heimdahl said.

Threat mitigation, or threat reduction, is primarily considered to be the imposition of barriers between the fragment and munition. New calculations, representing the barriers, are put into the FRAGMAP code. When the munition response plot shows all the fragments in the ricochet, low hazard area, then the threat has been removed.

FRAGMAP users then make their recommendations on the best ways to safeguard the munitions being stored or moved. Follow up tests are conducted to make sure those recommendations are accurate.



FRAGMENT Threat Map superimposed on a Response Plot shows which fragments will cause the most damage. Fragments over the top curve have enough mass and velocity to cause detonation, while reaction from fragments in the middle of the two curves can range from a fire to detonation. The fragments at the very bottom have only enough mass and velocity to ricochet off the munition's casing, causing no serious damage.

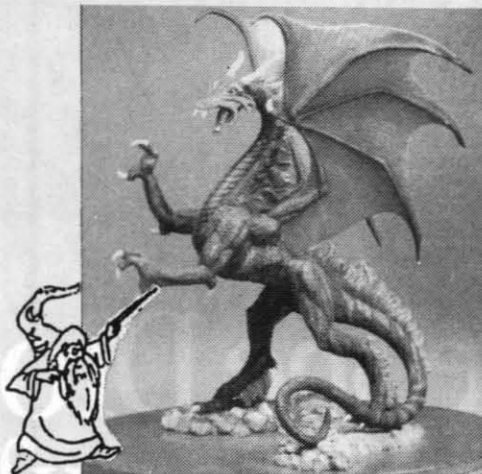
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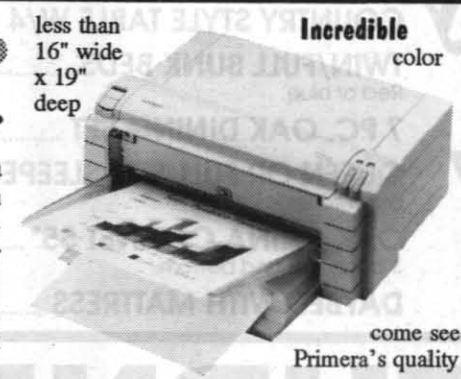
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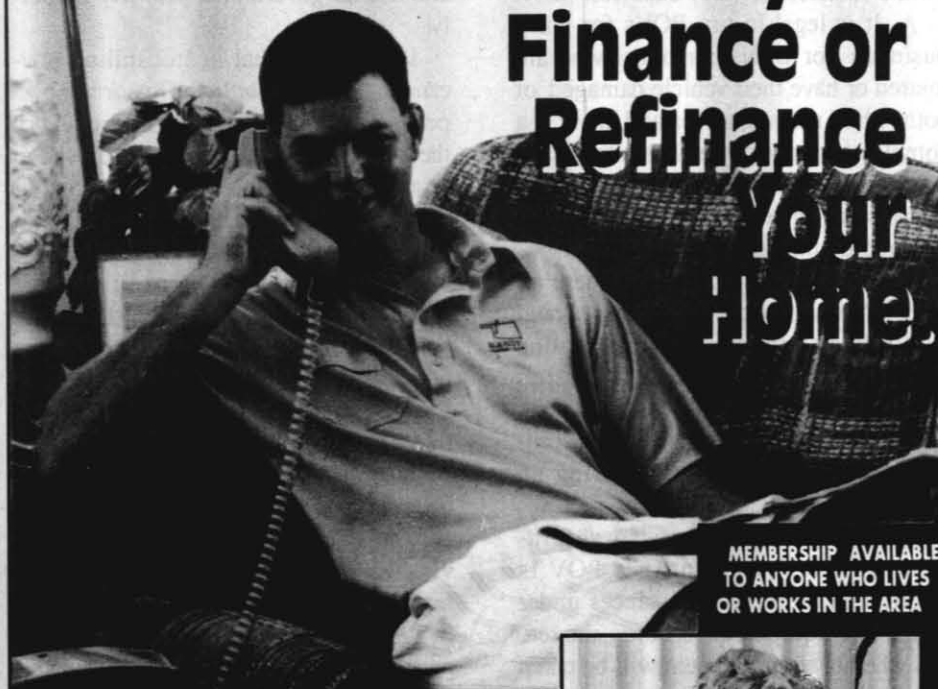


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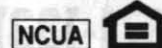
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New network router will be turned on Thursday, May 6

Because the current Appletalk network at China Lake has grown beyond the capacity of the network addressing scheme, it needs to be split up into smaller pieces.

Over the next 12 to 18 months, routers will be installed in various places around China Lake to accomplish this task.

The next application of these devices is scheduled for the CLPL and Salt Wells areas on Thursday, May 6, at 4 p.m., the same time the Wellfleet Router will be turned on.

The Wellfleet Router, located in Building 11510, will replace the existing Apple Internet Router, Vitalink and Hughes Bridges. This new Multiprotocol Router will provide routing capabilities for Appletalk and TCP/IP, and bridging capabilities for all other proto-

cols. This multiprotocol router will replace the existing Apple Internet Router, Vitalink Bridge and the Hughes Bridge currently providing these services.

The IP address of the Wellfleet Bridge will remain the same as the existing gateway (129.131.2.200). All devices currently running Appletalk, Ethertalk or TCP/IP (MacTCP, H.L.S. PROLINC, FastPaths, Novell Servers, VAX's) will not need to be reconfigured but will have to be rebooted to update their ARP tables. This change should be transparent to all end users.

In addition, a second T1 LINK to Salt Wells will be installed, doubling the throughput to Mainsite.

If there are any questions, please contact Brian Morgan, Network Management Office, 939-3467.

Airfield Operations Division is POC for all flightline vehicle access requests

The Airfield Operations Division is the point of contact for all Flightline Vehicle Access Requests.

Requests should be made by calling 939-5523 between 7:30 a.m. and 4:30

p.m. After-hour requests should be made by calling 939-5475.

Any questions regarding the above information should be addressed to IC1 (AW) Darnell Farmer or ET2 (SW) Dominic Marion at 939-5523.

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still talk about their Friday night martini mixing competitions.

Capt. Smith left NOTS in May 1954 to command the Naval Ordnance Missile Test Facility at White Sands, N.M. In April 1956, returned once again to BuOrd at the request of VAdm. William F. Raborn, who had sought him out because of his experience with solid rocket propellants, to work on the development of the Polaris missile. He became technical director of the Special Projects Office in 1957. While in that position, Smith requested that NOTS serve in a consulting capacity on the development of the fleet ballistic missile (FBM), which became the Polaris and Poseidon missile programs.

In 1961, recommended by Admiral Raborn as "one of the best engineering minds in the Navy," Smith was directly selected by President John F. Kennedy for the rank of rear admiral as a temporary appointment. The appointment was to continue as long as Smith served as technical director of the Polaris program, but became permanent in 1963.

Named director of Strategic Systems Projects in 1965, Smith was responsible for overall management of research, development and production of Polaris and Poseidon missiles, and saw later versions of the missiles through introduction to the fleet. Though by statute his name was officially put on the retirement list in 1972, Smith continued

in that position on active duty until 1977. After leaving that post he served as a consultant for several government advisory boards.

Besides his many decorations for wartime service, in 1957 Smith was among the second group of honorees to receive the L.T.E. Thompson Award for service as associate technical director and for development of the Mighty Mouse rocket and methods for processing solid propellant grains. He was thrice awarded the Navy's highest non-combat service award, the Distinguished Service Medal. And after helping to successfully integrate a version of Polaris into the British Fleet he received a high "Order of Chivalry" when Queen Elizabeth II presented him the award of Honorary Knight Commander of the Most Excellent Order of the British Empire.

In 1977, he received the prestigious Forrestal Award from the National Security Industrial Association. In 1986, the Naval Submarine League named its annual Submarine Support Achievement Award for him, and in 1990, the Strategic Systems Operational Support Facility at Dahlgren, Va., was dedicated in his honor.

"Vice Admiral Smith's contributions to and influence on the Navy and on China Lake were profound," said Doig.

Smith is survived by his wife, who continues to reside in the Banker's Hill.

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Assignment opportunity

NAWCWPNS detachment planned at Eglin Air Force Base

In accordance with the office of the Secretary of Defense Program Budget Directive 714 of November 1991, the Joint Direct Attack Munitions (JDAM) Program was established as a joint service program with the Air Force as lead service. The Air Force System Program Office has requested on-site Navy technical and managerial support to be integrated into their JDAM-1 team for the conduct of this development program through LRIP. Therefore, a detachment from the Naval Air Warfare Center Weapons Division is planned to be established at Eglin Air Force Base in Florida.

It is anticipated that approximately 11 scientific, engineering, technical/specialist support positions may be available. These positions will provide technical management, system integration, engineering and test management support for the JDAM Program.

The program is a multi-part bomb improvement program started in 1992 as a joint service program with the Air Force as lead service. JDAM-1 is the development of an inertially aided munitions kit for application to the MK-84 and BLU-109 2000-pound bombs. When complete, JDAM will be the primary weapon for the Air Force B-2 bomber and will be principal weapons in the Navy inventory.

JDAM-1 is about to enter into DEMVAL/EMD with awards to two contractors for the two-year DEMVAL phase and then an additional three-year EMD phase with one contractor only. The Air Force wants to make this a true joint service program and has requested the Navy provide support at Eglin that will participate in their development teams for conduct and management of the JDAM-1 DEMVAL/EMD program.

Scientists or engineers, technicians

and technical specialists currently at the DP-3/4, DS/DT/DP-3 (GS-11 to 15 equivalent) for the following: project manager, system engineer, lead engineer, software engineer, reliability, manufacturing, test/integration manager, quality assurance, configuration/data management with expertise in CALS.

Employees will be considered from the following series: General Engineer (801); Safety Engineer (803); Mechanical Engineer (830); Electrical Engineer (850); Electronics Engineer (855); Aerospace Engineer (861); Industrial Engineer (896); Physical Scientist (1301); Physicist (1310); Chemist (1320); Operations Research Analyst (1515); Mathematician (1520); Computer Scientist (1550); Engineering Data Management Specialist (301); Computer Specialist (334); Engineering Technician (802); Electronics Technician (856); Industrial Engineering Technician (895); and Quality Assurance Specialist (1910).

Assignments are for a period of not less than two years. Employees tentatively assigned will be required to obtain and maintain a Secret clearance and may be required to meet Defense Acquisition Workforce Improvement (DAWIA) requirements. Extensive travel is required. Temporary duty or permanent change of duty station will be authorized. SF-171s may be submitted no later than April 30 to the Advanced Bomb Project Office, Code C28B5, Attn: C. Kight.

Interested parties may contact either Milt Ravsten, C25012, Advanced Bomb Family Office, at 939-8560; or Tom Zulkoski, C28B5, Advanced Bomb Project Office, at 939-8546, at the China Lake site for additional information.

This is not a promotional opportunity.

Life insurance

Open season ends April 30

Federal employees are reminded that Life Insurance Open Season is scheduled to end April 30. Under open enrollment period, any eligible employee who is not currently enrolled may elect to be covered by any or all of the FEGLI options. Employees already enrolled may add or drop any of the options. Employees satisfied with their current coverage need not do anything.

New enrollments and changes in current coverage will become effective on May 30 (this date may be different if you are in a long-term leave, leave without pay, or part time status).

Employees thinking about retirement should remember to carry any

newly-elected coverage into retirement, the coverage must be in effect for at least five years prior to retirement.

Outside of open season, the only opportunity to add to an employee's coverage without a physical is upon marriage or birth of a child. For more information on this, consult the FEGLI information books distributed last month.

Employees interested in changing their coverage, should come to Room 100 in Human Resources Department, located at 505 Blandy. After receiving their official personnel folders, employees will be directed to their PMA team for completion of the form.

DESKTOP, from Page 2

Q. Use of a Navy phone to make a lunch reservation or to receive a call from your spouse saying that lunch plans have changed.

A. The General Services Administration has amended 41 CFR Part 201-38 to authorize federal agencies to permit federal employees conducting official business to make reasonable personal use of government telephone systems for emergency calls or calls the agency determines are necessary in the interest of the government.

Official business calls include personal local and long distance calls if 1.) the calls do not adversely affect performance of the employee's official duties or the mission of the employee's organization, 2.) are of reasonable duration and frequency, and 3.) reasonably cannot be made at another time. *Personal calls cannot result in a charge to the government even if the employee intends to reimburse the government.*

Examples of permissible types of personal calls include checking on a family member, making or canceling personal appointments, checking on the status of home or auto repairs and notifying family members of overtime requirements or other changes in schedules. There is no provision for use of a government telephone to make lunch reservations. Consequently, using a government phone to make a lunch reservation is not authorized and may not be placed. However, neither SECNAVINST 5370.2J nor 41CFR Part 201-38 limits personnel from receiving a call from a spouse regarding changed lunch plans. What is prohibited is placing other than official

business calls by DoN personnel.

(b). Q. Sitting in a Navy chair, using Navy lighting to sit in one's office, eat one's sack lunch, and read a book during lunch hour; placement and use of candy machines and water coolers on government property; and provision of space, electricity, and styrofoam cups for private coffee pots and coffee.

A. According to SECNAVINST 5370.2J, the phrase "official Government business or purposes" means purpose or business that directly support DoN missions or functions or that indirectly support DoN missions or functions if determined by the cognizant commander in the chain of command to be in the best interests of the United States. If the intended use is consistent with this guidance, and does not violate any other rules of the instruction, the commander who has specific responsibility for the facility or property may approve the intended use.

The Standards of Conduct do not prohibit DoN personnel from eating lunch at their government desks during lunch hour and reading a book or such activity at least indirectly supports DoN missions or functions by allowing those individuals to take a break, refresh themselves and resume their duties.

Likewise, commanding officers are not prohibited from allowing the placement and use of candy machines and water coolers and providing space, electricity and styrofoam cups for private coffee pots and coffee as such practices, as seen above, indirectly support DoN missions or functions. Indeed, this is such a recognized practice that

MESA sub-systems contract, worth \$3,156,485, goes to TIW Systems, Inc.

Officials at the China Lake site of the Naval Air Warfare Center Weapons Division recently awarded a contract to install the various sub-systems of the Missile Engagement Simulation Arena (MESA) worth \$3,156,485. The contract was awarded to TIW Systems, Inc. of Sunnyvale, Calif.

The MESA facility is currently under

construction at China Lake by F2M, Inc., of Lancaster, Calif. The facility is expected to be completed by September, 1994. The MESA construction project is valued at \$16.5 million.

Sub-systems covered by the new contract include computers and related equipment that drive the simulations.

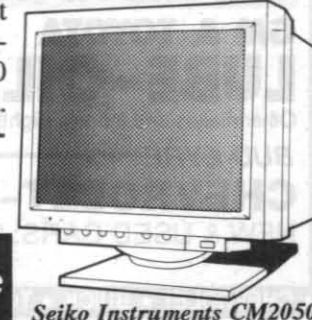
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(c). Q. Legality of using privately owned vehicles for Navy business.

A. It is legal to use POVs for Navy business. For DoN personnel who are injured or have their vehicle damaged, or both, while running an errand, there is a complex system of federal statutes, regulations and procedures to handle claims for personal injury and property damage incurred by military and civilian personnel. It is impossible to review them all here. However, specific questions should be directed to the Claims Investigating Officer in the Staff Judge Advocate's Office, 939-2506.

(d). Q. Legality of carrying government equipment in a POV during an errand.

A. The legality of carrying government-owned equipment in a POV is determined by the circumstances under which the equipment is being moved, i.e., whether the equipment will be taken off station or is being permanently transferred to another code, etc. Here again, there is a complex system of federal statutes, regulations and procedures to ensure accountability. Specific questions should be addressed to your Plant Account Representative at 939-3096.

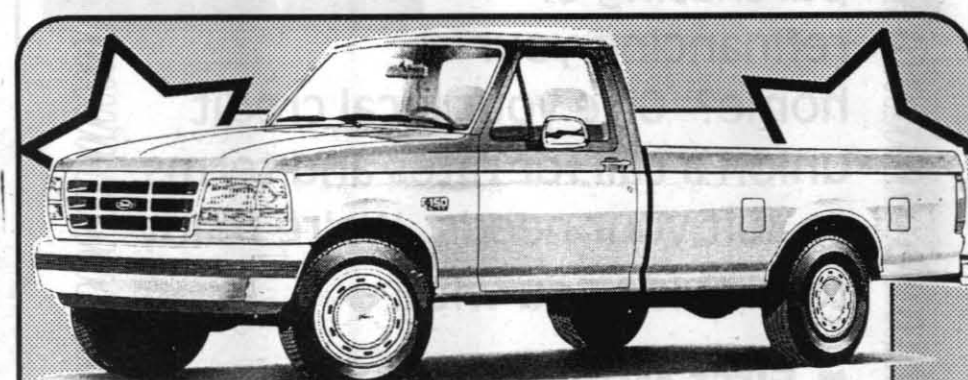
(e). Q. Legality of taking pens/Navy book or software manual home from work.

A. The Standards of Conduct impose an affirmative obligation on each DoN employee or member to protect, preserve and use all government property properly.

If the individual is stockpiling government pens at home for his or her own personal use, clearly that is a violation of the rule. But if the pen is to be used at home for government-related work or was taken home inadvertently, that would be a different matter entirely.

Assuming the Navy book or software manual is not classified, there should not be a problem with taking such items home as long as that person's supervisor is aware and has approved such a practice. This promotes accountability for such items. If the items are in the car because you forgot about them, that is not the same scenario as when an individual wants a free copy of a Navy publication or software manual.

Personnel who are not sure whether a particular activity is permissible should consult with their immediate supervisors as a first step. If the answer is still uncertain, military members should feel free to contact the Staff Judge Advocate's Office at 939-2203. Civilian personnel may contact the Office of General Counsel at 939-3481.



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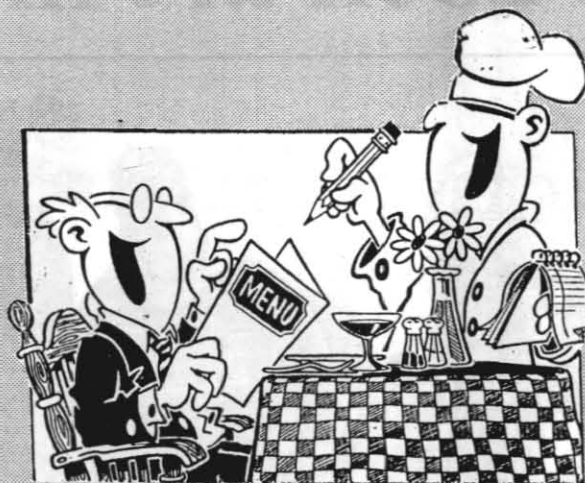
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NOTS' seventh commander talks about the past, urges caution in downsizing

VAdm. Frederick Ashworth visits China Lake for historical interviews

By Barry McDonald
Editor

In town last week for a question and answer engagement with the Indian Wells Valley Historical Society, Vice Admiral (ret.) Frederick L. Ashworth, who served as Naval Ordnance Test Station China Lake Commander from August 1955 to September 1957, was aboard Station Friday for a videotaped interview for the historical record. *The Rocketeer* also welcomed the opportunity to talk with him.

Ashworth, then a captain, came to China Lake from duty as commanding officer of *USS Corson*. A 1933 graduate of the U.S. Naval Academy, he saw his first sea duty aboard the battleship *USS West Virginia*. He was designated a Navy Aviator in 1936 and later completed the postgraduate course in ordnance engineering at Annapolis.

Ashworth said he thinks of his time at NOTS as the golden years. "For me they were, anyway," he said. "The whole station had a lot of morale and spirit. Sidewinder was coming along and I had good people to work with. [Dr. William B.] Bill McLean was super as technical director and Capt. Fred Chenault was a very good executive officer."

But when he received orders to NOTS it was without much enthusiasm. "Admiral Withington, Chief of the Bureau of Ordnance, told me 'There's not a lot to do out there...Sidewinder's about finished, but I'm sure you'll enjoy yourself,'" Ashworth said of the half-hearted assignment. "So when I got out here, I said to McLean, 'Bill they're about to shut us down, we need to do something.' He explained that he and McLean went to Washington, D.C. with a stack of program proposals and received funding and the go ahead on some of them.

"It was a very exciting time," he said. "Not to say anything bad about Ridgecrest, but there was a lot of virtue in the scientific people living on base. I think part of the enthusiasm and high morale

was due to those people being right here on base, where they were almost literally a hundred yards away from their offices. It was not uncommon to see lights on in the lab at 2 a.m. Somebody would get a brainstorm at midnight and go on in to work it out. It was a team effort, a creative effort, and people worked for the sake of the contributions they were making. There wasn't an 8-to-5 atmosphere where you'd go home at the end of the day and turn off the lights. I think as more and more of the civilians moved off base, there became more of the 8-to-5 mentality."

Noting that the Air Force spent a lot of money on research but had a hard time transitioning the work into production, he said the military-civilian team at NOTS was special because they did it all, "and they've always done it...from research and development to engineering development and they've even done some pilot production work."

**'There was a lot of
virtue in the scientific
people living on base.'**

While he was proud and nearly boastful of the military-civilian team at China Lake, he was critical of the takeover of the pentagon by "pencil pushers" (civilians) under Secretary of Defense Robert McNamara during the Vietnam War. He said commanders in the fleet were being told such things as how high to fly reconnaissance planes.

"That war was run by Johnson and McNamara, not by the generals," he said. And in contrast, he said, "Desert Storm was run by the military. Bush turned the whole thing over to General Schwarzkopf."

While he said, given the world situation, he realized the need for cutbacks, he was concerned they might go too far. "We spent a lot of money rebuilding what Jimmy Carter tore down, and Desert Storm showed us we needed it," he said. "I just hope we don't do that again...that we use some sense in the cutbacks."

Besides receiving the Distinguished Flying Cross for commanding a torpedo bomber squadron against enemy shore installations and other wartime accomplishments, Ashworth's most notable contribution to winning the war came after he was assigned to the Manhattan Project to work in the development and testing of the atomic bomb at Los Alamos, N.M. He and then-Capt. William S. Parsons were the only two regular naval officers assigned to the project. The bombs dropped on Hiroshima and Nagasaki were relatively crude and had to be armed by hand moments before release. Parsons had the distinction of arming the first bomb over Hiroshima, and Ashworth performed the same role for the second bomb a few days later when it was dropped on Nagasaki on Aug. 9, 1945.

As the world entered the atomic age, Ashworth continued to play a role in the movement on behalf of the Navy—participating in testing and other efforts and working on a liaison committee to the Atomic Energy Commission, which was created in 1947.

The most significant change in the last 50 years in the Navy, he says, was the development of the nuclear powered fleet. "It was the single major revolution."

In discussing the move to nuclear disarmament, he said "There are two things to remember about the old policy (between the super powers) of mutually assured destruction. First, no one ever came up with a better one, and second, while there have been little skirmishes from time to time, that policy is what has preserved world peace for over 50 years." He added that, while he agrees it is time to reduce the nuclear arsenal, it would be unwise to get rid of all of them. "We should maintain enough of an inventory to be able to inflict massive destruction."

He expressed a little apprehension about his ability to answer all the questions at his visit with the historical society. "At my age (82) I've forgotten some things, but being interviewed and kicking some of this stuff around, a lot is coming back to me," he said. "It's good to come back to NOTS every now and then to make sure it's still alive and kicking."

VIDEOTAPED interview of VAdm. Ashworth will be used in the program being produced for China Lake's 50th Anniversary and for the permanent China Lake History.

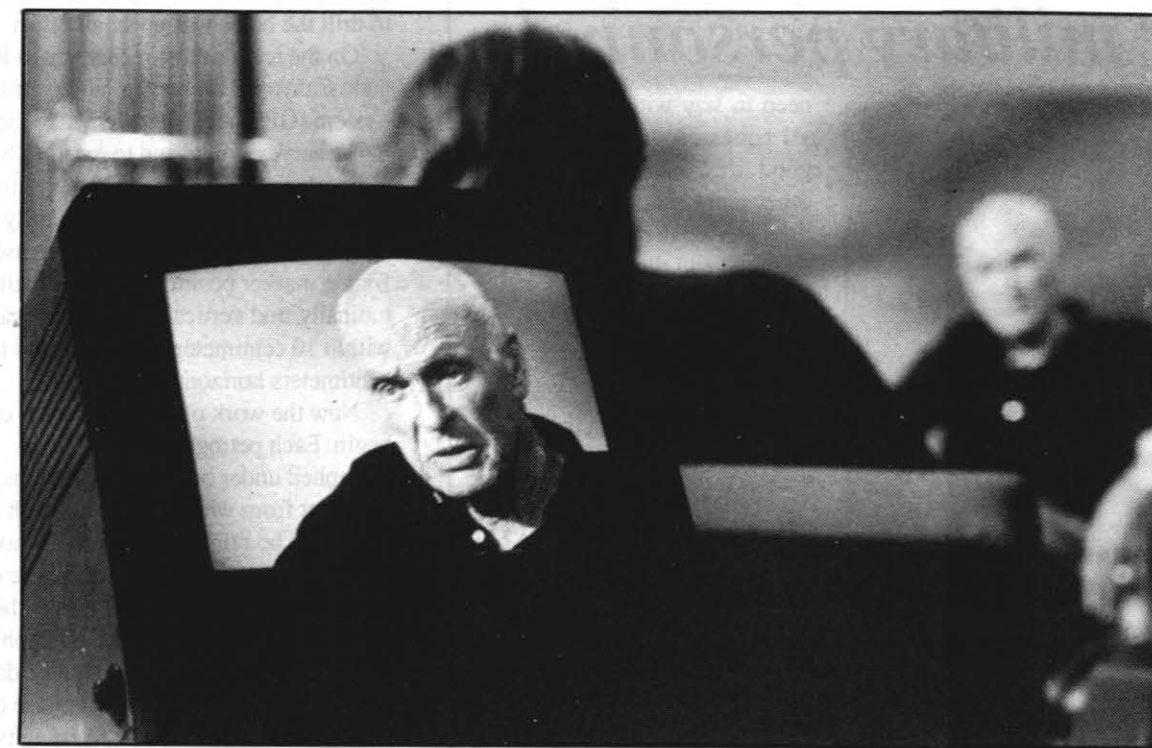


Photo by Terry Pascarella

China Lake and Cal State Fresno document rock art in Little Petroglyph Canyon

Survey team inventories type, exact location and condition of Station's petroglyphs using satellite-assisted geolocation and photo techniques

By Cliff Lawson
Technical Information Department

From a distance, the canyon looks like a hundred others that scar the mountains at California's Naval Air Weapons Station China Lake. This particular canyon, remote and austere, begins as a shallow drainage east of Louisiana Butte on China Lake's North Range Complex and then cuts deeply into volcanic rock to become a 40-foot-wide ribbon of sand and boulders locked between steep walls that shade the canyon floor through much of the day. Dropping gently, the canyon twists and jogs southwestward for just over a mile before ending abruptly at a 100-foot-high dry fall overlooking the Indian Wells Valley.

But this canyon—labeled Renegade Canyon on the maps and known locally as Little Petroglyph Canyon—is unlike the others in one important respect. The walls and boulders of the canyon form a gallery for the finest collection of Native American petroglyph rock art on the North American Continent. More than 6,000 images have been pecked and scraped into the stone. The process of creating this stunning body of art covered a period of several thousand years.

In Renegade Canyon a survey is under way to scientifically document the rock art using the latest techniques of space-satellite-assisted geolocation and photo documentation. Researchers are developing a database of positional information to gain a better understanding of when, how and

why the petroglyphs were created. The survey will also provide a baseline for monitoring damage to the petroglyphs—damage caused by wind, water, other natural forces and, unfortunately, by people.

"With this survey we're determining what's there, exactly where it is, and what condition it's in," says Bill Eckhardt, China Lake archaeologist. "This will give researchers a precision framework for their studies and at the same time put China Lake in a better position to protect the art from weathering and human impact." Eckhardt and another China Lake physicist Ken Pringle, are the China Lake participants in the rock-art

survey, an effort jointly sponsored by China Lake and the Departments of Art History and Surveying Engineering at California State University, Fresno. The survey staff is an eclectic team representing disciplines of archaeology, art history, geophysics, surveying and photography.

Few areas of art or archaeology have been the subject of so much conjecture and are as little understood as Native American rock art, owing to the difficulty of translating the measurable parameters of rock art into sound conclusions about its function and meaning. Rock-art research is done mainly by archaeologists and art historians and has largely concentrated on classifying them by type, charting petroglyph distribution and attempting to determine their age, using methods such as chemical analysis

and measurements of the desert-varnish growth rate. Desert varnish is a shiny patina that develops on basaltic rock in desert climates, and it is through this veneer that the rock art designs have been pecked to reveal the lighter basalt beneath.

In contrast to rock art, other archaeological artifacts are much more amenable to scientific analysis and interpretation. A simple chipped obsidian tool, for example, can yield a wealth of information. Its stratigraphic position, the location of associated animal remains, and immunological analysis of protein residues on the tool can indicate when it was used and on what types of animals. The shape of the

tool and photomicrographs of wear patterns on the cutting edges provide information on how the tool was wielded. Geophysical studies of the stone can reveal its source and indicate trade patterns (tools made of obsidian from the China Lake area have been found in archaeological sites as far away as the Mexican border).

Petroglyphs, however, pose a tougher interpretive challenge, and the range of interpretations is broad. Shapes that look like people and animals abound on the walls of Renegade Canyon.

Were these elements—anthromorphs and zoomorphs to the experts—a means of recording hunts and battles and other important events in the lives of their makers? Or did they function as "magico-reli-

gious" signs to focus the powers of deities long since forgotten? Were the elaborate geometric patterns snaking across the dark basalt once used as maps, calendars or records of complex relationships? Was the making of a petroglyph performed as a ritual act by a person passing from childhood to adulthood?

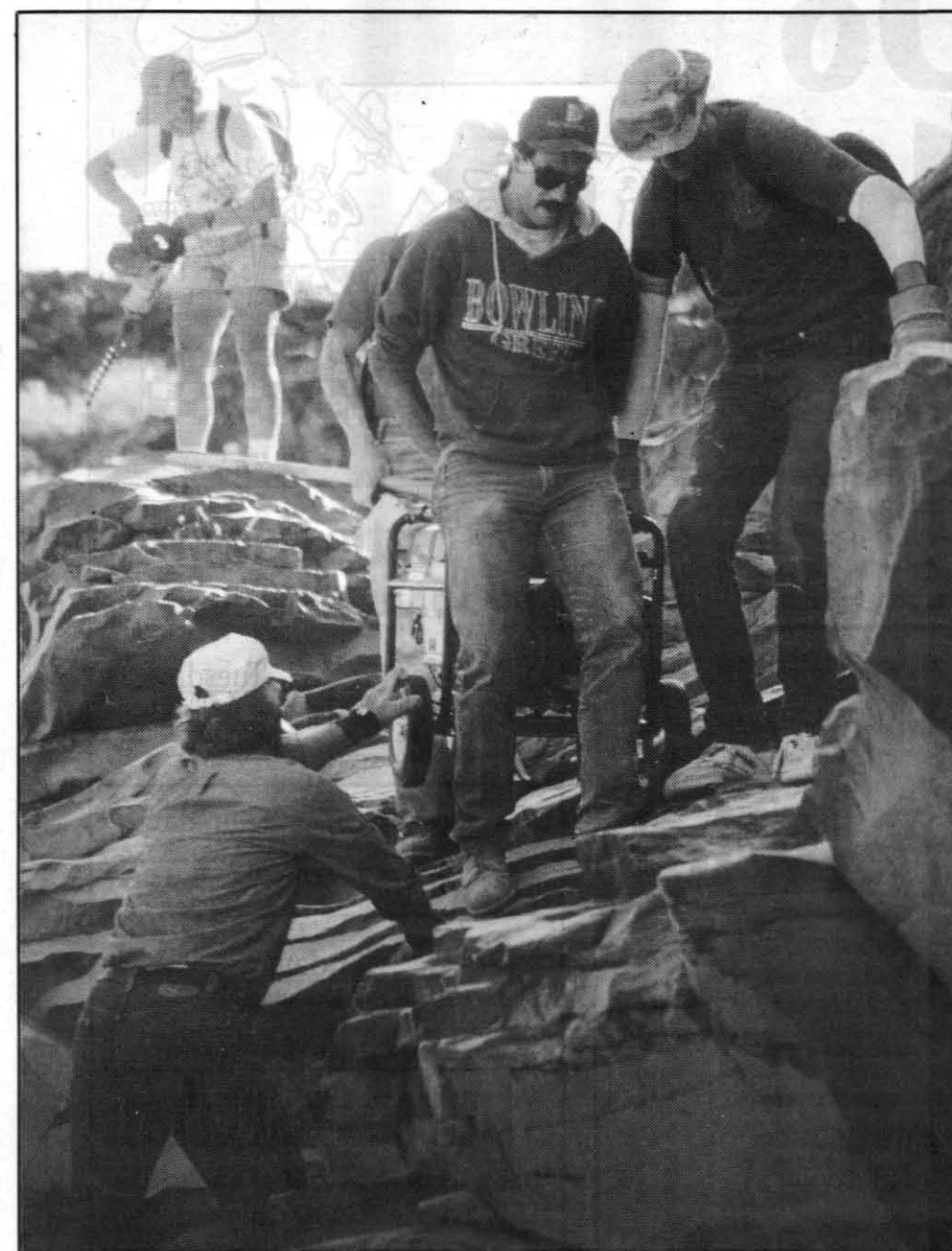
From the art-history perspective, addressing these questions entails extensive analysis of the petroglyphs. "Fiendishly difficult analysis," as Raphael Reichert puts it. Dr. Reichert is Professor of Art History at Cal State Fresno and a project leader. He notes past researchers tended to look at individual rock-art, but during 16 years of visiting Renegade Canyon, he developed a broader perspective. "We should not view the elements in isolation, we should look at the canyon as a big book and study it grammatically."

To do so, in Reichert's terms, is "a logistical nightmare. You look at a panel at eight in the morning and you see one element in striking detail. Another can barely be seen. Come back at ten o'clock and the first element is lost in shadow but another one that you didn't see stands out clearly."

In terms of sheer effort and sweat, setting up reference points forming the core of the survey was the most arduous part of the project. The first step was walking through the canyon to establish 16 survey-control points. From these, additional points were selected for a total of 29 along the length of the canyon and on the rim. The survey markers are 3-inch-diameter brass disks set into rocks, but finding suitable locations for the survey points and hauling the 150-pound generator required to drill the holes was no small effort.

On the team's most recent trip to Renegade Canyon, Trimble Global Positioning System (GPS) receivers were taken to five of the survey points and to existing National Geodetic Survey markers on Louisiana Butte and Divide Peak. In a carefully prearranged exercise, 15 satellites were used to fix the marker positions longitudinally, latitudinally, and vertically. Precision was to within 10 centimeters vertically and two centimeters horizontally.

Now the work of documentation can begin. Each petroglyph will be photographed under optimum conditions, and the point from which the photograph is taken will be referenced to one or more of the 29 survey points. The next phase of the project will be to scan and digitize the photos and load the data into a Geographical Information System (GIS). Finally, data analysis will commence. That phase of the project will concentrate on refining typology and chronology, including an examination of petroglyph superimposition



SURVEY TEAM members haul generator and drilling equipment into the canyon.

(younger petroglyphs overlie older ones) and a study of differential patination (generally, the darker petroglyphs are older).

The unlikely coupling of art history with surveying engineering—disciplines that, in CSUF graduate student Linda Malcom-Lim's words, "are usually considered to be at opposite ends of the scholastic spectrum"—will give another dimension to rock-art research.

Detailed positional information provides relative densities, scale, orientation and groupings of elements in the context of the entire canyon. Incorporating survey data with other databases allows more sophisticated correlations: the proximity of specific types of elements to topographic features such as springs and to known archaeological sites such as hunting blinds, ceremonial sites and ancient villages. Paleo-astronomers can use the survey data to determine a rock-art element's orientation relative to the position of the sun, moon and stars for any selected time period. The results will fit more pieces to the puzzle of why these petroglyphs were made.

Navy interest in the survey goes beyond fathoming the purpose of the petroglyphs. Under the National Historic Preservation

Act, China Lake is legally obligated to act as steward for cultural resources within its boundaries. This role has been carried out with vigor and enthusiasm, which is one reason the Renegade Canyon petroglyphs are in such excellent condition and are a Mecca for rock-art researchers.

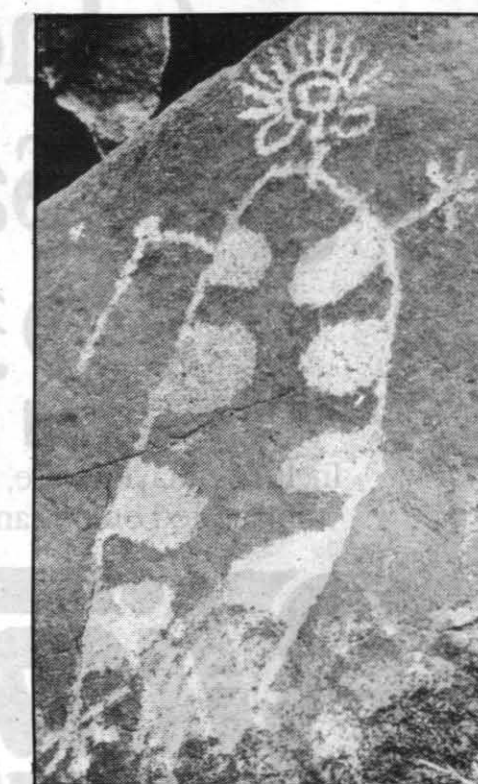
The role of stewardship includes providing access to the canyon for scientific researchers and the general public, on a basis of noninterference with the Station's mission. To that end, the NAWS Public Affairs Office works closely with the Maturation Museum in Ridgecrest to conduct tours of the site from May to November so the public can view the petroglyphs and learn about their significance. About 1,000 people visited Renegade Canyon in 1992.

Despite the best efforts of China Lake personnel and museum volunteers, occasional acts of vandalism, such as graffiti and defacing of petroglyphs, have occurred in Renegade Canyon. Though minor in the context of the entire canyon, they detract from the aesthetic and scientific value of the site. The Navy's policy is to forcefully prosecute anyone suspected of vandalism.

Nature also takes its toll on rock art. During heavy rains and in the spring



BRASS MARKERS were precisely set during survey of human, animal and geometric rock art.



Class for leaders of tours to recreational areas set April 27; training now a must

On Tuesday, April 27, a class will be held in Room 107 of the Training Center to qualify tour guides to lead trips to China Lake's petroglyphs. Graduates will receive certification allowing them to escort up to 12 people to designated areas on the NAWS North Range.

According to NAWS China Lake Instruction 5532.1, a certified leader is required for any group wanting recreational access to the North Range on weekends (including flex Fridays). This is a change to the former policy, allowing any employee to sponsor a visit to the Little Petroglyph area simply by showing his or her badge at the Police Division and filling out a rec pass.

The new procedure requires checking with the Public Affairs Office calendar to ensure space is available on the desired day, and filling out an application (NAWCWPNS CL 5512/18), which will be reviewed by the Environmental Office and the Training Branch of the Law Enforcement Physical Security Division, with final approval by the director of safety and security.

On the day before the trip, the sponsor verifies with the Watch Commander that the range is open for recreational use, takes the form to Crafttech and pays a \$2 fee for each visitor.

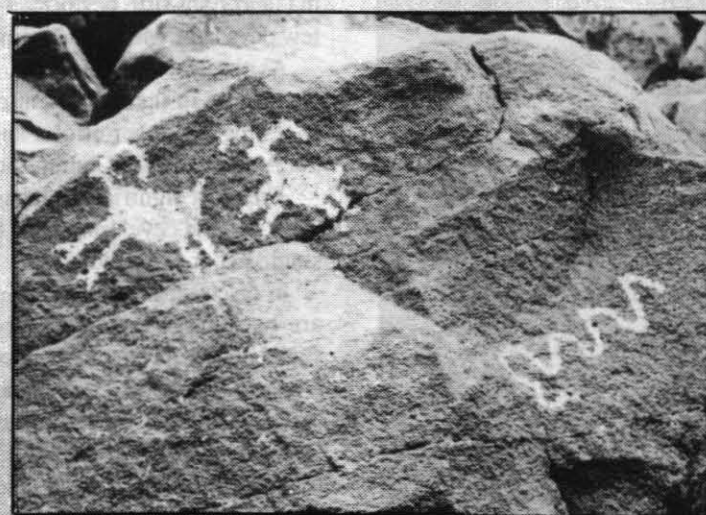
On the day of the visit, the completed form is shown at the Police Division and the lead escort will be issued a key to the Mt. Springs Canyon gate. A minimum of two vehicles is required for every tour group.

MWR sponsors tour for military personnel

Members of the Morale, Welfare and Recreation Department are planning a tour to the Petroglyphs on the Naval Air Weapons Station China Lake Coso Range May 7 for military personnel and dependents 6 years of age or older. Minors must be kept under supervision.

The group will meet at the Seafarer Club by 8 a.m. A presentation will be shown prior to departure. Attendees should bring water, a sack lunch, snacks and so forth. Comfortable hiking/walking apparel is recommended. Because the rest rooms are rustic, everyone should bring their own bathroom tissue.

Registration and pre-payment of the \$5 fee is required by April 30. People can register to go on the tour at the Crafttech Center aboard NAWS China Lake. Those who wish may ride in an MWR van or drive their own vehicle. Personnel taking their own vehicle



PETROGLYPH tour for military personnel and dependents is set for May 7. Register at the Crafttech Center.

need to stay with the caravan at all times. A full tank of gas, good tires, a spare tire, jack and other tools needed for changing tires are required. All cars must start and end the trip at the same time, as per NAWS China Lake regulations.

All refunds are subject to a \$2 handling fee. There will be no refunds for cancellations on or after the day of the tour.

Trips to the petroglyphs are permitted only on a non-interference basis with respect to the NAWS mission. A trip can be cancelled at the last minute to accommodate range testing or inclement weather. In this case,

a full refund will be given.

Neither the escorts, MWR Department personnel or the Commanding Officer of NAWS China Lake is responsible for injury, death or property damage on or resulting from a sponsored tour.

PERSONNEL NEWS

PROMOTIONAL OPPORTUNITIES

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

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

HOW TO APPLY: Submit the following: a current application, SF-171 or other Human Resources Department pre-approved form, a copy of your most recent annual performance assessment narrative (note: a copy of your performance plan should be attached if the annual performance narrative does not clearly state the tasks/duties performed); and a completed Background Survey Questionnaire. A supplemental narrative which relates your qualifications to each knowledge, skill, or ability (KSAs) as cited in the advertisement is 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 123552, available at the reception desk. Make sure your address, phone number, etc., are current, correct and that all forms are complete and accurate. If any of this information is missing, your qualifications may not be fully and completely rated. Additional information cannot be submitted after the closing date of the announcement. A current date and signature on the last page completes the application. Civilian Spousal Program Eligibles with competitive status must submit a copy of their sponsor's PCS orders with each application in order to be considered for Merit Promotion vacancies which do not state that status eligibles may apply.

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

NOTICE REGARDING DRUG TESTING DESIGNATED POSITIONS

Any applicant tentatively selected for one of these positions will be required to submit to analysis to detect illegal use of drugs prior to a final selection. Final selection is contingent upon test result, and thereafter the selected 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/commands. (NAVPWPCENST 12792.2, 14 Dec 90)

MERIT PROMOTIONS

No. 006-SH-93, Interdisciplinary Electronics, Computer Engineer, Mathematician, Physicist, Computer Scientist, DP-855/1310/1520/1550-3, Common Operating Environment Division, Electronic Warfare Department, Aircraft Weapons Systems Directorate, Naval Air Warfare Center Weapons Division, Point Mugu or China Lake site, Various Codes—These positions are located in the Common Operating Environment Division of the Electronic Warfare Department. Incumbents will be responsible for systems analysis, systems integration, test design, and execution in the acquisition of computer hardware and software projects. This organization is responsible for research, design, development, training, and life-cycle support of software and hardware projects that support automated mission planning and information communication systems. In addition to its general responsibilities in support of automated mission planning and information communication systems it is WSSA for the Tactical Aircraft Mission Planning System (TAMPS), version 6.0, and is coactively tasked to support Department of Defense initiatives to evolve a common operation environment as it relates to the processing and communication of tactical information. **Quality-Ranking Factor:** Knowledge and experience with the operation and functions of intelligence systems, mission planning systems, hardware and software systems engineering and systems integration, and open architecture environments. This position will be filled at the DP-3 grade level. Position is at all performance level. Applications may be submitted to China Lake's Human Resources Department, Room 100, NLT 1700 of the closing date, or they may be sent directly to the Human Resources Department, Naval Air Warfare Center, Weapons Division, ATTN: Sylvia Henning, Point Mugu, CA, 93402-5002. Mailed applications must be postmarked NLT the closing date. Point of contact is Sylvia Henning, DSN 351-3238. Permanent Change of Duty Station (PCS) is not authorized. This ad opens on 22 April and closes on 4 May.

007-JM-93, Supervisory Interdisciplinary Mechanical/Electronics/Aerospace Engineer, DP-930/855/861-4, Systems Engineering Division, Target Systems Department, Threat Simulation Directorate, Naval Air Warfare Center Weapons Division, Point Mugu, P382—The incumbent serves as second-level supervisor and directs the operation of the Systems Engineering Division, Target Systems Department. Incumbent is required to serve as consultant to senior-level military and civilian personnel from NAWCWPNS, sponsors, other services, and industry. Solicits sponsor support for major proposals dealing with complex target systems. Is responsible for planning, monitoring, conducting, and evaluating technical and systems. Provides the full range of supervisory duties and supports EEO programs. **Quality-Ranking Factor:** Must demonstrate a mastery of engineering as it relates to the design, modification, testing, and operation of complex high-performance target systems. In addition, demonstrated successful second-level supervisory experience is required. This position will be filled at the DP-4 grade level. Position is at all performance level. Applications may be submitted to China Lake's Human Resources Department, Room 100, NLT 1700 of the closing date, or they may be sent directly to the Human Resources Department, Naval Air Warfare Center Weapons Division, ATTN: Pam Stafford, Point Mugu, CA, 93402-5002. Mailed applications must be postmarked

NLT the closing date. Point of contact is Pam Stafford, DSN 351-3308. Permanent Change of Duty Station (PCS) is authorized. This ad opens on 22 April and closes on 10 May.

No. 21-020, Computer Specialist, DS-334-2/3 C2193 (Multiple Vacancies)—This position is in the AV-8B Systems Engineering Branch of the Aircraft Weapons Integration Department (Fighter/Attack). The incumbent will perform as a Software Engineer for the AV-8B Maintenance Data and Planning Systems. This involves providing software engineering support to the WSSA for AV-8B aircraft. This includes the complete spectrum of software engineering tasks, e.g., defining requirements, designing solutions, coding, debugging, and documentation. The incumbent must be able to work well in a team environment and display effective communication skills. **Job-Relevant Criteria:** Knowledge of MSDOS operating systems; knowledge of aircraft systems, including avionics and weapons integration; skill in "C" language programming; and ability to interpret requirements documents. Knowledge of LISP language is desired. Promotion potential to DS-3. This ad opens 22 April and closes on 29 April.

No. 21-021, Computer Specialist, DS-334-2/3, C2193—This position is in the AV-8B Systems Engineering Branch of the Aircraft Weapons Integration Department (Fighter/Attack). The incumbent will perform as a Software Engineer for the AV-8B AYK-14 Mission Computer System. This involves providing software engineering support to the WSSA for AV-8B aircraft. This includes the complete spectrum of software engineering tasks, e.g., defining requirements, designing solutions, coding, debugging, and documentation. The incumbent must be able to work well in a team environment and display effective communication skills. **Job-Relevant Criteria:** Knowledge of VAX-VMS operating systems; knowledge of aircraft systems, including avionics and weapons integration; skill in using FORTRAN, PASCAL, and Assembly language; and ability to interpret requirements documents. Knowledge of AYK-14 Assembly language is desired. Promotion potential to DS-3. This ad opens on 22 April and closes on 29 April.

No. 25-007, Supervisory Interdisciplinary (Mechanical/Electronic Engineer/Operations Research Analyst), DP-801,830,855,1515-3 C2525—This position is that of Head, Missile Guidance Branch, Systems Engineering Division, Engineering Department. The incumbent is responsible for technical analysis, production support, software engineering, and missile/aircraft integration for various strike and air-to-air weapon systems. Major weapon systems include SLAM, Harpoon, Phoenix, and JSOW. The Branch conducts system and survivability analysis using all digital simulations for the evaluation of current missile performance as well as potential upgrades, works with the A-6 and F/A-18 aircraft programs for incorporation of performance upgrades into aircraft software, and evaluates the incorporation of performance changes into the production data package. In addition, the Branch assists various development programs in the definition of software development requirements and the actual evaluation of the software. The Branch also maintains significant expertise in the support of weapon system mission planning. **Job-Relevant Criteria:** Knowledge of weapons system acquisition process during development and production; knowledge of systems performance analysis

and development of systems operational software; ability to manage an organization; ability to plan, coordinate, and manage a technical program; and a knowledge of Affirmative Action principles and a willingness to implement EEO practices. Must be able to obtain and maintain a Secret clearance. May be required to serve a 1-year supervisory probationary period. Promotion potential to the DP-3. **Note:** This position has been identified as being an "Acquisition Professional" position under the Defense Acquisition Workforce Improvement Act. The Act mandates certified education, training, and experience requirements that may impact the incumbent. Additional information concerning these requirements is available in the Civilian Personnel Office. Permanent Change of Duty Station (PCS) is authorized. This ad opens on 22 April and closes on 6 May.

No. 32-015, Electronics Technician, DT-0856-2/3, Code C32118—This position is located in the Instrumentation Support Section of the Ballistics Test Branch, Ordnance Test and Evaluation Division, Range Department. The incumbent will determine requirements, configure systems, and install instrumentation for signal conditioning, data acquisition, initial processing, and test controls at the Skytop Test Complex facilities. **Job-Relevant Criteria:** Skill in using electronic test instruments; ability to troubleshoot digital and/or analog circuits; knowledge of instrumentation and measurement systems, (i.e., analog and digital encoding, multiplexing and data recording, and fiber-optic data transmission); ability to communicate orally and in writing; knowledge of ordnance safety principles and practices; and must be able to function alone and as a team member. Promotion potential to DT-3, but not guaranteed. This ad opens on 22 April and closes on 6 May.

REASSIGNMENT OPPORTUNITIES

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

REASSIGNMENT OPPORTUNITIES

No. 21-018, Interdisciplinary General/Electronics/Electrical/Aerospace/Mechanical/Engineer/Physicist/Mathematician/Computer Scientist) DP-801/855/850/861/830/1310/1520/1550-3, C2193—This position is in the AV-8B Systems Engineering Branch of the Aircraft Weapons Integration Department (Fighter/Attack). The incumbent will perform as a Systems Engineer for the AV-8B Mission Planning and Maintenance Data Systems, which involves providing systems engineering support to the WSSA for AV-8B aircraft. This includes defining requirements and ensuring that they are tested and implemented correctly in the AV-8B Mission Planning System and related WRAs. This position involves all aspects of software engineering and development including size and complexity estimation, creation of requirements documents, software generation, and definition and performance of testing. The incumbent should have a knowledge of MSDOS operating systems; knowledge of how avionics software affects aircraft system performance; knowledge of aircraft avionics and weapons systems; and knowledge of DOD STD 2167A and MIL STD 1553. Experience in one or more of the following is required: FORTRAN, PASCAL, or C programming language. Knowledge of LISP language is desired. The incumbent must be able to work well in a team environment and display effective communication skills. To apply send an updated SF-171 to Dean Elliott, C219, 939-5553. This ad opens on 22 April and closes on 29 April.

No. 21-019, Interdisciplinary General/Electronics/Electrical/Aerospace/Mechanical/Engineer/Physicist/Mathematician/Computer Scientist) DP-801/855/850/861/830/1310/1520/1550-2/3, C2193 (Multiple Vacancies)—This position is in the AV-8B Systems Engineering Branch of the Aircraft Weapons Integration Department (Fighter/Attack). The incumbent will perform as a Software Engineer for the AV-8B Maintenance Data and Planning Systems. This involves providing software engineering support to the WSSA for AV-8B aircraft. This includes the complete spectrum of software engineering tasks, e.g., defining requirements, designing solutions, coding, debugging, and documentation. Incumbents should have experience using the C language; knowledge of MSDOS operating systems; ability to interpret requirements documents; and familiarity with avionics systems and airborne weapons systems. Knowledge of LISP language is desired. Incumbents must be able to work well in a team environment and display effective communication skills. To apply send an updated SF-171 to Dean Elliott, C219, 939-5553. This ad opens on 22 April and closes on 29 April.

No. 21-022, Interdisciplinary General/Electronics/Electrical/Aerospace/Mechanical/Engineer/Physicist/Mathematician/Computer Scientist) DP-801/855/850/861/830/1310/1520/1550-2/3, C2193—This position is in the AV-8B Systems Engineering Branch of the

Aircraft Weapons Integration Department (Fighter/Attack). The incumbent will perform as a Software Engineer for the AV-8B AYK-14 Mission Computer System. This involves providing software engineering support to the WSSA for AV-8B aircraft. This includes the complete spectrum of software engineering tasks, e.g., defining requirements, designing solutions, coding, debugging, and documentation. Incumbent should have experience using FORTRAN, PASCAL, and Assembly language; knowledge of VAX-VMS operating systems; and familiarity with avionics systems and airborne weapons systems. Knowledge of AYK-14 assembly language is desired. The incumbent must be able to work well in a team environment and display effective communication skills. To apply send an updated SF-171 to Dean Elliott, C219, 939-5553. This ad opens on 22 April and closes on 29 April.

No. 25-008, Supervisory Interdisciplinary (Mechanical/Electronic Engineer/Operations Research Analyst), DP-801,830,855,1515-4, C2525—This position is that of Head, Missile Guidance Branch, Systems Engineering Division, Engineering Department. The incumbent is responsible for technical analysis, production support, software engineering, and missile/aircraft integration for various strike and air-to-air weapon systems. Major weapon systems include SLAM, Harpoon, Phoenix, and JSOW. The Branch conducts system and survivability analysis using all digital simulations for the evaluation of current missile performance as well as potential upgrades, works with the A-6 and F/A-18 aircraft programs for incorporation of performance upgrades into aircraft software, and evaluates the incorporation of performance changes into the production data package. In addition, the Branch assists various development programs in the definition of software development requirements and the actual evaluation of the software. The Branch also maintains significant expertise in the support of weapon system mission planning. **Note:** This position has been identified as being an "Acquisition Professional" position under the Defense Acquisition Workforce Improvement Act. The Act mandates certified education, training, and experience requirements that may impact the incumbent. Additional information concerning these requirements is available in the Civilian Personnel Office. To apply send an updated SF-171 to Randy Langham, C252, 939-1049. This ad opens on 22 April and closes on 6 May.

No. 25-009, Interdisciplinary General/Electronics/Materials Engineer, Metallurgist, Chemist, Physicist, Physical Scientist), DP-801/855/806/1321/1320/1310/1301-1/2 C2581—This position is in the Electronics Prototype Section's Printed Wiring Board Laboratory located in the Electronic Production Technology Branch at China Lake. This facility is responsible for production of printed circuit boards for development programs at the Naval Air Warfare Center. The incumbent will be responsible for the development of new printed wiring board technology that will be used in electronic hardware for Navy airborne systems. Promotion potential to DP-3, but not guaranteed. **Note:** This position has been identified as being an "Acquisition Professional" position under the Defense Acquisition Workforce Improvement Act. The Act mandates certified education, training, and experience requirements that may impact the incumbent. Additional information concerning these requirements is available in the Civilian Personnel Office. To apply send an updated SF-171 to John Boutwell, C258, 939-1052. This ad opens on 22 April and closes on 29 April.

No. 32-012, Interdisciplinary (Physicist/Mathematician/Computer Scientist), DP-1310/1520/1550-2/3, Code C3252—This position is located in the Data Branch, Data Systems Division, Range Department. The Branch is involved in a major development of data-reduction software under a UNIX operating system. The incumbent will work as a member of a skilled team of computer scientists and other professionals who are intimately familiar with the current data-reduction system. The incumbent's primary responsibility will be in the area of design and implementation of graphics, image processing, and/or hardware interfacing on an HP Sun, and advanced image-processing systems. Background in UNIX, PV-Wave, X-Windows, and/or Motif is required. This position is physically located in the Instrumentation Lab of the Range Control Center complex. To apply send an updated SF-171 to Jerry Taylor, Code C3252, 939-6724. Permanent Change of Duty Station (PCS) is authorized. This ad opens on 22 April and closes on 6 May.

No. 33-008, Interdisciplinary (Electronics Engineer/Physicist/Computer Scientist) DP-855/1310/1550-2/3, C3321—This position is located in the Computer Systems Branch of the Data Systems Division within the Electronic Combat Range Department. Incumbent will manage an IBM program to develop a new operations-display center for the Electronic Combat Range. He/She will work closely with the project engineer and hardware team to develop new display and playback capability. Specific duties will include preparing plans, schedules, options and playback capability. Specific duties will include preparing plans, schedules, options, and alternatives; monitoring progress; tracking budgets; giving briefs; and documenting work. Promotion potential to DP-3, but not guaranteed. Incumbent must be able to obtain and maintain a Secret clearance. Position is located at the ECRD facility and is on first-40 work schedule, Monday-Thursday, 0630-1630. **Note:** This position has been identified as being an "Acquisition Professional" position under the Defense Acquisition Workforce Improvement Act. The Act mandates certified education, training, and experience requirements that may impact the incumbent. Additional information concerning these requirements is available in the Civilian Personnel Office. To apply send an updated SF-171 to Bret Jacobson, C3321, 939-9312. This ad opens on 22 April and closes on 29 April.



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

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

CSUN WRITING PROFICIENCY EXAM PLANNED

On 9 June the English Writing Proficiency Exam will be given to graduate students of Cal-State Northridge (CSUN). CSUN students should take the exam as soon as their application for admission has been submitted. **This test must be passed before the student is granted classified (unconditional) status as a master's candidate.**

Graduate students must attain classified status before earning more than 12 units of academic work acceptable toward the master's degree. The exam fee is \$20. Checks must be made payable to California State University, Northridge (CSUN). Contact Denise, 939-2648 to arrange to take the exam.

XEROX FACSIMILE (FAX MACHINE) MAINTENANCE

The FIP Resources Branch (C6331) now has a Center-wide ID/IQ contract for remedial and preventive maintenance of Xerox facsimiles (Fax machines). This is a mandatory per-call maintenance contract and must be used by the Codes for all per-call service. If you need this type of service, call Annabelle Lipinski at 939-3427. (C6331)

WACOM LUNCHEON MEETING

The May WACOM luncheon meeting will be held at the Seafarer Club on Tuesday, 11 May with a social period at 1100. The meeting will begin at 1130 to distribute annual funds. Lunch will immediately follow the meeting. The cost of the luncheon is \$7.50 for members and \$12.50 for guests. Members may make reservations by calling Eleanor Rockdale at 446-6925. (Code C86)

THE TRANSPORTATION OFFICE HAS MOVED

The Transportation Office (C8309) has moved once again. They are located in Building 91028 (double-wide trailer) behind the Engineering Building in the Public Works Compound. If you have any questions concerning transportation contact one of the following people:

Dana Hams, Transportation Manager, 939-3433; Sharon Lager, Equipment Specialist (Automotive), 939-9499; Debbie Nance, Budget Assistant, 939-9487; Nancy Rodgick, Facility Management Specialist (Grounds Refueling), 939-0052; Paul Scallin, Contract Surv. Rep (Heavy Duty), 939-9490; Jim Sevier, Equipment Specialist (Automotive), 939-9491; Sonny Smith, Facility Management Specialist (Operations), 939-4497; Julie Sorensen, Contract Surveillance Representative (Operations), 939-9488; Bud Sweany, Equipment Specialist (WHE), 939-9485; Jack Tipton, Equipment Specialist (WHE), 939-2324.

The Transportation Office has taken over the Drivers License Program. For drivers license information and scheduling contact Nancy Rodgick at 939-0052 or Jim Sevier at 939-9491. (C8309)

APRIL SIGAda MEETING

The April SIGAda meeting will be held on Thursday, 29 April from 1130-1230 at the Imbedded Computer Institute in Building 00100, 605 Inyokern Road, across from the Training Center.

John Ciaccia of Boeing Computer Support

Services will present the design of an Ada memory manager for use at the Weapons Tactical Analysis Center (WEPTAC). This memory manager is an Ada Generic package. Applications that use linked list or tree structures also use pointers (access variables). If the application state is stored (in magnetic media) in these structures, then pointers cannot easily be used to reconstruct these structures. The WEPTAC memory manager model allows the storage and recapture of a game state (a "snapshot" of the linked list and tree structures) for future play of a game. This scheme also allows the passing of data without knowledge of the type.

Anyone interested in the Ada programming language or other associated software development is invited to attend SIGAda meetings.

If you have any questions regarding SIGAda or have an interest in future presentations or discussions contact one of the following: Dave Bower, 927-1224; John Hammack, 939-0671; Linda Roush, 939-5575; or Tom Rosemon, 939-4812.

PRICE-S PRESENTATION

Price-S, a PC-based program for estimating the time, manpower, and cost of developing software programs, will be demonstrated on Monday, 3 May at 0900 in Mich Lab, Room 1017 (Little D Conference Room).

AIR-546 funded an assessment of NAWC software processes. All 12 SSAs were placed at level 1, the bottom of the Software Engineering Institute's (SEI's) maturity levels. (The Air Force requires all of their contractors to be level 2+.) To reach level 2, we need to improve software project planning, and that includes software cost estimating. Price-S, SLIM, and SEER are software cost-estimating models that can help us do that. Of the three, Price-S, at a cost of only \$1000 to the government, is the most affordable. These models take advantage of extensive software databases, thus giving us the benefit of other people's experiences. This is an important advantage, as we do not have a database of our own.

Price-M, which estimates microchip costs, will also be demonstrated.

For further information contact Dinah Beres, 939-1926 or Clark Hay, 939-1909.

C25254 can do cost estimating for you using function points, SASET, REVIC, and COCOMO. (C25254)

IEEE COMPUTER SOCIETY PRESENTATION

The IEEE Computer society will present a talk by Dr. Larry Cosner, M.D. on Computers in Medicine on Tuesday, 27 April from 1130 to 1230 at the Seafarer Club.

Many of the advances in medicine in the last 30 years were achieved, not through the discovery of biological phenomena, but through the application of computers in research. Dr. Cosner will discuss some of the historical developments that are attributed to computers—then on to current applications and some future needs that might be met through the use of technology.

Dr. Cosner, along with the Computing Technology Store, is the one you have seen in the local newspaper donating state-of-the-art personal computing equipment to community service groups and public agencies. Dr. Cosner is a practicing physician known for his down-home bedside manner. Dr. Cosner is also an adjunct professor at Cerro Coso College. No reservations are required. For

further information contact Cameron Bruce at 939-4595. (C2942)

THRIFT SAVINGS PLAN (TSP) RATES OF RETURN

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

	C Fund	F Fund	G Fund
March	2.09%	0.41%	0.52%
Last 12 Months	15.31%	12.94%	7.07%
C Fund—Common Stock Index (Stocks)			
F Fund—Fixed Income Index (Bonds)			
G Fund—Government Securities			

MINI-IRIS

A 2-day mini-infrared information (IRIS) symposia is scheduled for Wednesday and Thursday, 28 and 29 April at Mich Lab Management Center from 0740 to 1640. The current symposia schedule will be posted in the lobby of Mich Lab on 28 and 29 April.

The symposia at China Lake is being held to promote the exchange of information within the local technical community. The presentations consist of 15 minutes of lecture and 5 minutes of questions and answers. Several breaks will be given throughout the day to allow those who only want to attend a subset of the talks to enter and leave gracefully. The symposia will begin with "Why scientists and engineers need to think about technology transfer opportunities in their work."

Then, current future tactical, aircraft, and missile requirements will be discussed. Some of China Lake's current projects and capabilities will be presented. Several of the talks will be held at the classified level to allow a more in-depth view. Information security requires that only DOD civilian employees with proper clearances be allowed to attend the classified discussions.

The 2-day set of presentations is sponsored by C025, Technology Advancement Group. Presenters from seven different departments are being presented.

Refreshments will be available from 0740 to 0750 and during the breaks in the main lobby of Mich Lab.

To obtain further information, contact Cameron Bruce at 939-4595. (C2942)

FACILITATOR TRAINING FOR FRESHSTART PROGRAM

A workshop will be held on 4 May from 1430-1700 at the Training Center to train facilitators in leading the American Cancer Society's FRESHSTART smoking cessation program. Anyone who is an ex-smoker and is interested in helping individuals who want to quit smoking is invited to attend. Call the Wellness Program Office, 939-2468, for information and enrollment. (C622)

WAREHOUSE INVENTORY

The Supply Department, C82, Warehouses will be conducting an inventory in April during which time the Warehouse being inventoried will be closed. Only emergency issues will be considered and must be submitted via a memo from the requesting Department Head to the Supply Department Head, LCDR P. Townsend, C82.

On April 22 and 23 April, Warehouse 42 (Aviation/Automotive) will be closed for inventory.

RETIREMENTS

MARY ANN BROWN

Mary Ann Brown (C29) will be retiring after 35 years of service at China Lake. A farewell luncheon will be held in her honor at the Carriage Inn on Thursday, 22 April at 1100. Luncheon choices will include chef salad or lemon chicken. The cost will be \$10 per person, including gratuity and beverage. For tickets, presentations, or gift donations, contact Jeanne Printy at 939-8431, Mary Hamilton at 939-3910, or any C29 Division Office by 19 April.

MELANIE BLOSE

Melanie Blose is leaving China Lake after 12 years of Federal service. A farewell luncheon will be held in her honor at El Charro on Wednesday, 28 April at 1130. For reservations, gift contributions, and presentations, call Peggy Flagg at 939-7365 by Monday 26 April. (C2701)

PEGGY J. JOHNSON

Peggy J. Johnson (C6120) will be retiring after 22 year of service at China Lake. A farewell luncheon will be held in her honor at Farris' at the Heritage on Friday, 30 April at 1130. Lunch will include a choice of beef stroganoff and noodles or chicken with rice, vegetables, spinach and green salad, cake, and coffee and tea. The cost will be \$9 per person, including tax and gratuity. Tickets must be purchased in advance. For tickets, presentations, or gift donations, contact Gloria Drown at 939-3535 or Lorraine Abernathy at 927-3426 by 22 April.

ARTHUR E. EDMUNDSON

Arthur E. Edmunson (C3302) will be retiring after 34 years of Federal service, 19 of which were served at China Lake (11 with the China Lake Police and 8 as a Security Officer at Echo Range). A farewell party will be held in his honor at the American Legion, 641 Inyokern Road on Thursday, 13 May. There will be no-host cocktails and heavy hors d'oeuvres beginning at 1830. Tickets must be purchased in advance. For ticket information, reservations, presentations, or gift donations, contact Tammi Johnson at 939-9190 or Carol at 939-9165 by 10 May.

BOB AND CHERYL PREUL

Bob (C2952) and Cheryl (C252) Preul are retiring after 51 collective years of service at China Lake. A combined farewell party will be held in their honor at the Elks Lodge on Sunday, 16 May at 1400. Cake, snacks, coffee, and a no-host bar will be available. For presentations or gift donations, contact Jeri Morris at 939-1049 or Janice Metz at 939-3832.

The NAWCWPNS/NAWS Announcements, published by the Technical Information Department (TID, Code C64), disseminates work-related information to all personnel through the Rocketeer, which is published biweekly on the Thursday before payday. To ensure accuracy, all items must be submitted in writing (preferably double-spaced) and must include a sponsor code and phone number. The collection deadline for submissions is 1700 Wednesday, the week before publication. Send announcements to the Rocketeer Office located at 802 Nimitz (corner of Nimitz and Lauritsen), Code C08033, or FAX them to 939-2796. Questions regarding the Announcements may be directed to Barry McDonald at the Rocketeer, 939-0654, or Ramona Bernard in TID, 939-2016. (Personnel News and Training Center class information may be sent directly to TID, Code C6411, or FAXed to 939-0565. The same deadline applies for these notices as for general announcements.)

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 NAWPNCEN 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.

Nadine Foley, Personnel Data Management Assistant, C621.
Nadine had surgery and is now recovering at home.

Linda Collins, Secretary, C0235.
Linda is pregnant and due 3 May. She is having

pre-term labor and is unable to work for the duration of her pregnancy and is in need of leave.

Janet Blackwell, Procurement Assistant, C658
Janet had surgery on a herniated nucleus pul-

posus. She is recovering and is indebted for leave.

Majorie Hunter, Secretary, C0231.
Majorie is undergoing surgery on both hands for carpal tunnel syndrome.

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

CSUN SUMMER COURSES

The following courses are being offered for the summer in the California State University, Northridge (CSUN) Engineering Program (master's degree). To enroll in these courses, call Denise at 939-2648. Deadline for enrolling is 10 calendar days before the starting date of the class.

EE471N: ELECTROMAGNETIC FIELDS AND WAVES II (3 units)

7 June - 6 August; Mondays, Wednesdays, and Fridays (except payday Fridays), 1610-1810; Training Center. By: David Gagnon, 939-1416

Prerequisite: EE470: Electromagnetic Fields and Waves I or equivalent or consent of instructor.
Scope: Analysis of time-varying electromagnetic fields, Maxwell's equations, waves in ideal and lossy matter, impedance concept, duality, equivalence principle, energy flow, reciprocity theorem, transmission lines, wave-guides, resonators, and surface waves antennas.

EE682N: STATE VARIABLES IN AUTOMATIC CONTROL (3 units)

8 June - 5 August; Tuesdays and Thursdays, 1610-1840; Training Center. By: Philip Bowen, 939-3494

Prerequisite: EE480: Fundamentals of Control Systems or equivalent or consent of instructor.
Scope: Application of state-space methods to the analysis and synthesis of feedback control systems, matrices, vectors and vector spaces, coordinate transformations, solution of the vector matrix differential equation, stability, controllability and observability, and optimal control systems.

IE404: ENGINEERING MANAGEMENT (3 units)

7 June - 4 August; Mondays and Wednesdays, 1610-1840; Training Center. By: Gerald Proctor, 939-4901

Prerequisite: IE304: Engineering Economy or equivalent or consent of instructor.
Scope: Principles of organization and administration applied to engineering research, design, and production.

ME484: CONTROL OF MECHANICAL SYSTEMS (3 units)

1 June - 28 July; Tuesdays, 1610-1910, and Wednesdays, 1030-1230; Training Center. By: Professor C. T. Lin, CSUN, (818) 885-2760

Prerequisite: AM316: Engineering Dynamics or equivalent or consent of instructor.
Scope: Classical feedback control theory emphasizing mechanical systems. Time domain, frequency domain, and state space techniques (stability criteria and system sensitivity). Introduction to design compensation and methods. Digital computer simulation of translational and rotational mechanical, hydraulic, and pneumatic systems.

used in class.

To enroll call Sue at 939-2349.
Deadline: 14 June.

MTF MESSAGE EDITOR FOR MAC (8 hrs.)

6 May; Thursday, 0800-1600; Training Center. By: H2 Enterprises

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. All changes in the recently released version 3.4 will be covered. **NOTE: If you are now using MTF version 3.3 and would like to upgrade your skills using 3.4, a 4-hour class is being planned. Call for more information.**
To sign up call Pat at 939-3159.

MTF MESSAGE EDITOR for IBM (8 hrs.)

3 May; Monday, 0800-1600; Training Center. By: H2 Enterprises

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. All changes in the recently released version 3.4 will be covered. **NOTE: If you are now using MTF version 3.3 and would like to upgrade your skills using 3.4, a 4-hour class is being planned. Call for more information.**
To sign up call Pat at 939-3159.

LIFE AFTER RETIREMENT: THE NEXT 30 YEARS (16 hrs.)

10-11 May; Monday and Tuesday, 0800-1600; Training Center. By: Miriam Cartwright and Charla Green

This workshop will assist people who want to ensure that their years after retirement are vital and rewarding. Studies have shown that unhappiness in retirement is most often the result of nonfinancial problems and issues. The purpose of the course is to give participants clarity on these problems and issues and develop appropriate outlooks and strategies for handling them so retirement will be a continuing source of joy and satisfaction. At the conclusion of this course participants will know the realities, as opposed to myths, of life after retirement, have an expanded set of options for meeting the challenges of retirement years and for enhancing

their day-to-day living at any age, and know how to develop their own personal plan for living more fully today and in the future.

To enroll call Pat at 939-3159.

PERSONNEL POLICIES & PROCEDURES FOR ADMINISTRATIVE PERSONNEL (16 hrs.)

18-19 May; Tuesday-Wednesday, 0800-1600; Training Center. By: C62

This course provides basic information on the personnel system. Topics covered are the organization structure and philosophy, Privacy Act, workers compensation, drug-free workplace, training, EEO complaint process, prevention of sexual harassment, time, leave, and pay policy, employee problems, Affirmative Action, and demo performance appraisal. There will be a question-and-answer period.
To enroll call 939-3159.

EQUIPMENT CUSTODIAN (3 hrs.)

26 May; Wednesday, 1300-1600; Training Center. By: Debra Schlick, C05E1

This course is designed to familiarize Equipment Custodians with Accountability for Plant and Minor Property. It will also provide assistance and guidance in the use of Equipment Management forms and accountable assets.

A way of accessing CERMS through an ACC2 network will be explained and a guide will be handed out.
To enroll call Pat at 939-3159.

TAKING THE INITIATIVE (8 hrs.)

27 May; Thursday, 0800-1600, Training Center. By: Marion Lapan

This seminar is designed to assist participants in identifying and practicing the skills necessary to stay in control of their careering process. Skills in self-presentation, positioning, risk-taking, connecting, and political astuteness will be learned.

Enrollment for this class is on a call-in basis. To reserve your space call 939-3159.

CAREER COUNSELING

Non-Payday Fridays; Cerro Coso Counselors; Trailer behind Training Center.

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

resume writing, and education counseling. Various programs, inventories, and assessments are available.

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

CAREER TRANSITION WORKSHOP

25 and 27 May; Tuesday and Thursday, 0800-1600 (Plus pre-and post-interviews); Training Center. By: Cerro Coso Staff

This workshop is designed for employees who, either by choice or by circumstances, are considering retirement, or transitioning to other jobs, either on- or off-Center. To prepare for the workshop, each participant will have an individual 20-minute pre-interview and a 20-minute post-interview. **NOTE: THIS WORKSHOP IS ON 2 DAYS, TUESDAY AND THURSDAY.**
To enroll call Pat at 939-3159.

EXPLORING MEN'S ISSUES: HEROES AND IDENTITY (2 hrs.)

11 May; Tuesday, 0900-1100; Training Center. By: Bob Huey and Betty Miller

This class will discuss models of masculinity that have evolved in our society—how they are used for everything from selling cigarettes to fighting a war. A video will provide examples of the impact of role models on men in today's society. Supervisors will gain a better understanding of men in crisis in their work group. Individuals will have a better insight into personal issues affecting themselves and others.
To enroll call 939-2468.

MACDRAW PRO (8 hrs.)

06 May; Thursday, 0800-1600; Training Center. By: Olivia Francis, OVF Graphics

Prerequisite: Basic knowledge of the Macintosh Operating System or completion of an Introduction to Macintosh class.

In this course you will acquire a basic working knowledge of MacDraw Pro as an object-oriented graphics program and its uses within the student's work environment. You will learn an Introduction to MacDraw Pro, MacDraw Pro Desktop, Tools and Menu, page layout, drawing simple objects, adding text, using layers, using the special drawing tools, and finishing and printing your document.
To enroll call 939-0870.

INTRODUCTION TO 4TH DIMENSION (16 hrs.)

10-11 May; Monday and Tuesday, 0800-1600; Training Center. By: Doug Blow, C3322

Prerequisite: Knowledge of the Macintosh and completion of Quick Start tutorial.

Intended Audience: 4D users new to 4th Dimension.
In this course you will learn basic database concepts. The course provides a hands-on introduction to the design and user environments. Students will learn how to build databases and to work effectively with the user environment. The course also introduces simple programming techniques through the use of scripts.
To enroll call 939-0870.

WORD, BEGINNING (16 hrs.)

12-13 May; Wednesday-Thursday, 0800-1600; 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 using the clipboard and glossary, add, change, delete text, format using font and format, use the spell checking facility, paginate, print, and save documents.
To enroll call 939-0870.

POWERPOINT ON THE MACINTOSH (8 hrs.)

17 May; Monday, 0800-1600; Training Center. By: Paul Colter, C6264

Prerequisite: General knowledge of Macintosh concepts and usage.

In this class you will obtain the skills necessary to produce the kind of presentations you have always wanted. Topics include creating, editing, and printing presentation slides and charts.
To enroll call 939-0870.

LOTUS 1-2-3 (16 hrs.)

17-20 May; Monday-Thursday, 0800-1130; Training Center. By: Daryl Vaughn, C622

This hands-on microcomputer course is designed to provide a basic understanding of spreadsheet systems, spreadsheet design, creation, revision, formatting, and printing.
To enroll call 939-0870.

MACINTOSH, INTRODUCTION (8 hrs.)

18-19 May; Tuesday and Wednesday, 0800-1130; Training Center. By: Olivia Francis, OVF Graphics & Assoc.

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 data disk; select and drag icons and 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, some typical applications pack-

ages such as a wordprocessor, and/or a graphic program.

To enroll call 939-0870.

MACINTOSH, SYSTEM 7 (8 hrs.)

20 May; Thursday, 0800-1600; Training Center. By: Kenneth LaBaw, Consultant

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

New features of System 7 will be explained, demonstrated, and related to the student's System 6 experience. The new desktop appearance coverage includes objects (icons), windows, hierarchical outlines, the new objects (aliases, stationary), and new features of the trash can. System commands and dialog boxes are explored and learned through hands-on exercises. Topical areas include the system folder, Menu bar, multiple running applications, file sharing, publish and subscribe, memory, net courtesy, and security. As a bonus, QuickTime movies and custom icon creation will be demonstrated.
To enroll call 939-0870.

C PROGRAMMING (40 hrs.)

24-28 May; Monday-Friday, 0800-1600; Training Center. By: John Francis, C2872

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

This course provides an introduction to programming in C language. C language declarations, control statements, procedures, functions, pointers, and input/output will be discussed in depth. There will be an introduction to software engineering and design as part of the course. The class is structured around a hands-on programming environment on the Macintosh computer. This includes debugging techniques and reverse engineering and changing a current program to perform additional software tasks. By the end of the course the student should be able to take a software algorithm and implement in C language.
Deadline: 10 May.

ADA PROGRAMMING, ADVANCED (40 hrs.)

17-20 May and 24-28 May; 17 May; Monday, 0800-1600; 18-28 May; Tuesday-Friday, 0800-1130; Training Center. By: Lee Lucas, C21C

Prerequisites: Previous experience with Ada or prior programming experience with other programming languages.

This class presents advanced techniques for Ada programming by means of collection of Ada case studies. The case studies include an auto cruise control, missile model, and an aircraft avionics tasking model. Topics considered include low-level programming, tasking design issues, and object-oriented features of Ada. The class concludes with a look at the changes being proposed for Ada 9X.
Deadline: 10 May.

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

27 April; Tuesday, 0800-1600; Training Center. By: Steve Tuszynski

This workshop discusses up-to-the-minute developments in customer-supplier relationships, both internal and external. Topics include using team approach, creating a supplier council, conducting supplier-focused conferences, defining quality system requirements, benchmarking suppliers, documenting costs of poor quality, using electronic communication and preventative quality plans, requiring supplier feed-forward, and performing an annual partnership evaluation.
To enroll or ask questions call 939-2686.

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

30 April; Friday, 0800-1630; Training Center. By: Linda Watkins, C6502

This is a "how to" workshop designed to familiarize Center personnel with the small purchase procurement process. Topics include preparation of nine-part stubs, purchase descriptions, commercial versus system orders, stub flow, lead times, GSA orders, and other information to assist and enlighten the "end user." This class will also include an overview of SPEDI.
To enroll or ask questions call 939-2686.

MANAGING IN A DOWNSIZING ENVIRONMENT (8 hrs.)

4 May; Tuesday, 0800-1600; Training Center. By: Allan Lachman, Consultant

Intended Audience: Managers, supervisors, and others whose responsibilities include planning for and participating in downsizing activities.

This 1-day course is designed to provide participants with an understanding of the overall elements of a "Downsizing Environment." Skills needed to more effectively manage in such an environment will be identified and developed. Tools for TQL will be highlighted and applied to enable participants to successfully meet opportunities and challenges, and not simply manage the "crisis." A new overall paradigm for managing and empowering will also be presented.
To enroll or ask questions call 939-2686.

CONTRACTING OFFICER'S TECHNICAL REPRESENTATION (COTR) (20 hrs.)

4-5 May; Tuesday-Wednesday, 0800-1600; 6 May; Thursday, 0800-1130; Training Center. By: NRCC

The purpose of this course is to enhance the admin-

istration of service contracts. The course is for people who furnish technical input to contractors, evaluate contractor performance, and perform inspection and acceptance of services provided under contract. The training is designed to ensure that COTRs understand their responsibilities in administering service contracts.
To enroll or ask questions call 939-2686.

ASSESSING LEADERSHIP STYLES FOR NEW SUPERVISORS (8 hrs.)

6 May; Thursday, 0800-1600; Training Center. By: Suzanne Hard

Intended Audience: New supervisors during their first year of probation. Other leaders/managers are also encouraged to attend.

This seminar is designed to give new supervisors an opportunity to become aware of and assess the strengths and weaknesses of their leadership styles, to evaluate their skill as an effective player in today's team culture, and to further understand strategies that enable their employees to perform effectively. Participants will have the opportunity to view themselves and others from new perspectives and to pick and choose some behaviors that are appropriate in certain situations.

Three inventories will be used: (1) the Strength Deployment Inventory; (2) the Team-Player Survey; and (3) the BrainMap Self-Assessment Profile.
To enroll or ask questions call 939-2686.

PRIORITIZING TECHNIQUES FOR TEAMS (4 hrs.)

6 May; Thursday, 1230-1630; Training Center. By: Bob Huey, C622

Intended Audience: Members and leaders of problem-solving teams.

This class will include the explanation of and experience a variety of easy-to-use group prioritizing techniques. Instruction and practice will include specific steps, pros and cons, comparison of results, and utilization of each technique. Specific techniques will include Nominal Group Technique, Multivoting, Discrete Summation, and "Show Stoppers."
To enroll or ask questions call 939-2686.

BUILDING COMMITMENT IN YOUR ORGANIZATION (16 hrs.)

11-12 May; Tuesday-Wednesday, 0730-1630; Training Center. By: Linda Andrews and Jack Latimer

Intended Audience: Managers and supervisors and other interested employees.

This class provides a developmental process that will dramatically improve commitment in your organization. Extensive class exercises and interaction give each participant practical application of the principles and tools. Participants will learn how to analyze and solve problems, address and resolve conflicts, build collaborative partnerships, understand others, and build commitment in themselves and others to maximize performance and personal satisfaction.
To enroll or ask questions call 939-2686.

SHORT PROCESS FOR TEAM PROBLEM SOLVING (4 hrs.)

14 May; Friday, 1230-1630; Training Center. By: Bob Huey, C 622

Intended Audience: Members and leaders of problem-solving teams.

This class will focus on a four-step problem-solving model that is easy to use for quick PROCESS problem solving with a team. Team members will learn the steps of the process and experience its use on a variety of problems. Team members are asked to bring an example of a PROCESS problem from their work situation.
To enroll or ask questions call 939-2686.

CULTURAL/GENERATIONAL GAP (4 hrs.)

3 June; Thursday, 0800-1130 or 1230-1600; Training Center. By: Suzanne Hard, Consultant

Intended Audience: All NAWC/NAWS employees.

This course will look at the demographic, economic, and cultural impact of four groups on our work place effectiveness. The four groups are *The Twenty-Something Generation*, *The Boomers*, *The Dinosaurs*, and *Gender*. The workforce is changing more rapidly than ever. When values are so different, how do you motivate, coach, and train? The new crop of employees, sometimes referred to as the "Brash Pack," have an attitude—they want access, authority, and answers—and they want it NOW. How do you manage and motivate them? The Boomers (now 30-45 years old) find themselves squeezed in the middle by their own large numbers. They see the Dinosaurs above who are not retiring and the Brashers who are pushing from below. Finally, we have the Dinosaurs, the "Command and Control Managers." They are calling many of the shots—they have the history, the networks, and the savvy.

Gender differences and styles may also affect your management effectiveness. You will hear the latest research on how men and women perform similar tasks differently.

This course meets the supervisor's yearly EEO training requirements.

To enroll or ask questions call 939-2686.

INTRODUCTION TO SUPERVISION (40 hrs.)

7-11 June; Monday-Friday, 0800-1600; Training Center. By: Donna Eller Jones

Intended Audience: Supervisory personnel ONLY. This course is required for first-level supervisors

HAZARDOUS WASTE TRAINING (8 hrs.)

28 April; Wednesday, 0730-1630; Training Center.

By: Environmental Project Office (Code C0808)

Intended Audience: Those who generate, handle, and manage hazardous waste. This course is required training for anyone who generates or handles hazardous waste. It is also required training for anyone who manages a hazardous waste accumulation area. Because the activities of NAWCWPNS and NAWS, China Lake, generate more than 1000 kg of hazardous waste per month, we are designated as a Class I Generator and are subject to full regulation under Federal environmental laws. One aspect of this regulation is proper training of personnel who generate, handle, or manage hazardous waste.

The course will help attendees to: identify hazardous waste; set up and operate accumulation areas; identify time limitations; properly label and store containers; initiate emergency response procedures; initiate requests for disposal; and conduct accumulation area inspections.

Enrollments are on a call-in basis. Point of Contact (POC) is the Environmental Project Office, 939-2893. Check with the Environmental POC for your Department to assure you get this training if needed. Call to enroll with your preferred date for the training. Class size is limited to 25 individuals.

SECURITY CLASSES

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

4 May; Tuesday, 0730-1630; Training Center. By: Linda Hall, C84301

Intended Audience: Scientists, engineers, and technicians whose duties involve access to classified or unclassified technical information. This course will provide information and exercises in classification, distribution statements, classified meetings, author's responsibilities, personnel security, and OPSEC. A brief discussion of computer security and COMSEC will be held.
To enroll call 939-2216.

SECURITY OVERVIEW (4 hrs.)

5 May; Wednesday, 0730-1130; Training Center. By: Linda Hall, C84301

This course is designed to provide employees with a brief security overview of information security, personnel security, operations security, computer security, and security education. The class will include short films on safeguarding and marking classified information, and the foreign intelligence threat.
To enroll call 939-2216.

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

13 May; Thursday, 0730-1630; Training Center. By: Linda Hall, C84301

Prerequisite: Security for Clerical and Administrative Workforce.
This class is for all custody control points and alternates. It will include a discussion of CCP responsibilities, duties, and procedures. This "hands-on" class will cover secret document control, accountability procedures, custodial responsibilities, transmittals, markings/wrappings/addressing packages, accounting procedures, reproduction, and distribution.
To enroll call 939-2216.

INDUSTRIAL SECURITY FOR NAVY PROFESSIONALS (7 hrs.)

26 May; Wednesday, 0800-1600; Training Center. By: Linda Hall, C84301

Technical representatives on classified contracts are required to provide the contracting official with the security requirements listed on the DD 254. If you are involved in the contracting process—whether a technical monitor, technical coordinator, or acquisition personnel—this class is for you. The DD 254 and security responsibilities are discussed in detail.
To enroll call 939-2216.

needing training in basic supervisory ideas. The class will provide fundamental grounding in practical, modern concepts of supervision. Topics to be covered are introduction, leadership, planning and organizing, problem solving and decision making, motivation, communication, resolving interpersonal conflicts, delegation, NAWC/NAWS personnel management, and a workshop summary.

To enroll or ask questions call 939-2686.