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Filemaker Pro is Neat!

There are several new or improved features in our very popular Filemaker from Claris. Default settings are easier controlled. Color has been added. Interactive buttons are a cool feature, define a button to perform a script, execute a command, or switch to another layout. Name layouts and switch between layouts in any mode from a pop-up menu. Zoom controls make a BIG difference. Enhanced drawing capabilities like visible grids, grouping, locking, and alignment have been added. Working with parts has been simplified. A part and it's contents can be deleted by deleting the part label, the part label control moves the label vertically and out of the way. Sorting on summary fields is finally possible. The upgrade from Filemaker II to Pro is \$100, a new package is \$220.

To Draw or To Paint, That Is The Question...

Paint programs treat a computer image as a collection of pixels. Two high end paint programs are PixelPaint and Studio/32. Object-oriented draw programs, such as Illustrator, Freehand, MacDraw II, and Corel Draw use mathematical descriptions to create images. Because drawing programs are managed this way, you can enlarge or reduce objects without losing resolution. A bit-mapped paint program must be enlarged or reduced by percentages that are evenly divisible by the bit-map resolution of 72dpi, otherwise the image will be jagged. On the other hand, object-oriented programs provide no way to create fine detail in a picture by editing the color of individual pixels. Whether to use a paint or draw program depends on the task. If you are creating a logo that combines text with irregular shapes and is filled with solid color, Illustrator or Freehand is for you. If you are creating a complex illustration painted with subtle gradations of color, a bit-mapped painting program such as PixelPaint is a more suitable choice.

SUN Users Group

The next meeting of the Sun User's Group will be held at the Hideaway on March 5, starting at 11 a.m.

By Donna Hanson

A Note From the PC Lab Manager

"If you would like to know more about what the PC Lab can do for you or your organization, give us a call at NWC ext. 6631 and we will come out and give you a presentation about what we can do for you and what services we offer." Chuck Taylor

Police urge motorists to follow state's anti-gridlock law at gates

Because of the present increased security posture, traffic congesting near the Naval Weapons Center's Main Gate has become a reality for all of us to cope with. A number of drivers who become frustrated because of the time delay, cause additional problems when they drive into an intersection and are unable to clear the intersection when the light changes. This results in obstructing the through passage of vehicles waiting from other sides of the intersection.

This is commonly referred to as a "gridlock," is not only irritating for those drivers who are forced to wait through much of

what should have been their green light, but is also a violation of California law. The California Vehicle Code defines the anti-gridlock law as: a driver of a vehicle shall not enter an intersection or marked crosswalk, not withstanding any official traffic control signal indication to proceed, unless there is sufficient space on the other side of the intersection or marked crosswalk to accommodate the vehicle driven without obstructing the through passage of vehicles from either side. Drivers determined to be in violation of the anti-gridlock law can be issued a citation.

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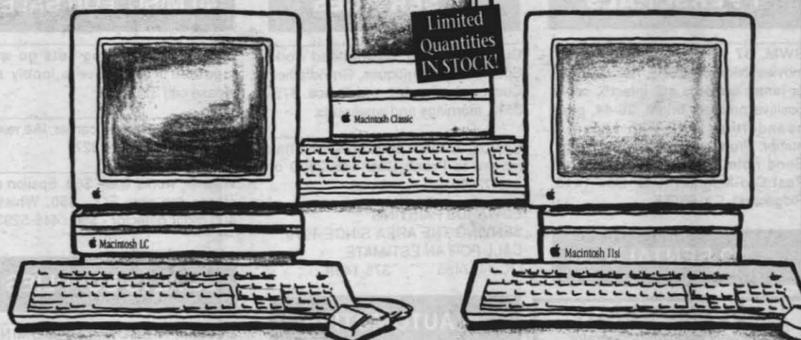
* System purchase includes CPU, monitor, keyboard.

With the new tax laws, now more than ever you need control of your personal and company finances. And there's a Macintosh that is right for your business and your budget.

Whether it's the affordable entry level NEW Macintosh Classic...the low cost NEW Color Macintosh LC, revolutionary in design,

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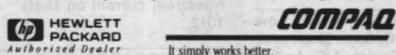
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Feb 28, 1991

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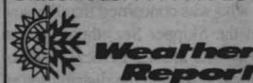


Table with columns: Day, Max, Min, Gusts. Rows: Wed, Thurs, Fri, Sat, Sun, Mon, Tues.

Holy Loch base closes in Scotland

Holy Loch, Scotland (NNS) -- The Navy announced that with the impending decommissioning of several Poseidon ballistic missile submarines, the repair facilities at Holy Loch, Scotland, will be disestablished after a distinguished 30-year history.

The Holy Loch submarine facility was opened by President Eisenhower in March 1961 as a forward-deployed foothold for the earliest undersea leg of the U.S. defense triad, the Polaris ballistic missile submarine.

Sun Users meeting set on March 5

Ron Backman, Kelly Bousack and Tiana Gaugh will be guest speakers at the next Sun Users' Group meeting, scheduled for Tuesday, March 5. The event, which starts at 11 a.m., will be held in the Hideaway Restaurant.

Backman will speak on connectivity between Sun and Macintosh, while Bousack will discuss networking, sub-networking and DDMAN name serve. Gaugh will talk about the base-wide UNIX workstation contract.

For more information, call Tiana Gaugh at NWC ext. 3396.

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Doc's retirement ends another era

Weapons research and geothermal development give way to ranching and mining for Austin

Another China Lake legend is retiring tomorrow. Carl (Doc) Austin makes the change from civil servant to rancher and from a role as father of Coso geothermal development to that of a part-time miner and part-time builder. As he prepared to go out the door, Austin was presented the prestigious Navy Superior Civilian Service Award by Capt. Douglas W. Cook, NWC Commander. This is the second highest award a Navy civilian employee can receive.

This place has been forever changed by the presence of Austin, and the geothermal project he shepherded through the bureaucratic thicket of government and industry. And the changes aren't just in bringing geothermal energy to China Lake. From his arrival in 1961 until construction got hot and heavy at Coso, he was involved in weapons research. Even today, he looks at his efforts in terminal ballistics and work on penetrating hard targets with great satisfaction.

Here is a man who truly joined the Navy, as a civilian, and saw the world. "I've heard the crackle of gun fire, watched tanks roll down the street from the hotel window and watched as homes and crops were destroyed in battle." While he was never able to fly all

the way around the globe -- from mines in Norway to the desert of Israel and from Vietnam to the Senagal.

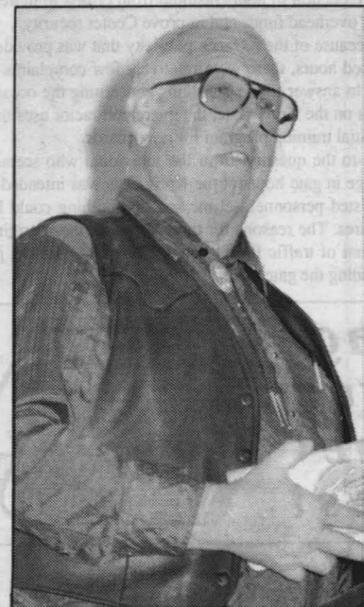
In fact, Doc, as he is known to most people he works with, has spent 10 of his 30 years service on travel and calculates "I've spent at least two full years sitting in airplanes going from place to place."

Despite the weapons research efforts, Doc is best known for development of the Coso geothermal resource.

His attention to detail, his persistence and his dedication to excellence are legendary -- as are some of his favorite sayings, such as, "I've got spies every where," and "if we both agree all the time, one of us isn't needed." His little yellow books (currently on volume 63) is still another legend reflecting his approach to any effort.

Doc didn't keep track of all the times someone told him geothermal development could not, would not or should not be done at the Naval Weapons Center. But, by his own admission, the opposition was strong, vocal and determined.

From 1961 to 1967, Austin set out to convince himself there was enough geothermal potential at Coso to go forward with development. "I didn't come to China Lake to develop geothermal, but to do terminal ballistics work. I knew Coso was there and through consulting work on the side, I developed a wealth of knowledge about the resource. He did this while juggling a busy weapons research schedule and family life.



GONE--Doc Austin and his little yellow books are leaving NWC.

(Continued on Page 11)

Special honor given H. L. Bagge

Thirty years superb performance as a weapons and intelligence analyst at the Naval Weapons Center brought the Navy Meritorious Civilian Service Award to Henry L. Bagge of the Weapons Planning Group's STILO office.

Phil Arnold, head of the Weapons Planning Group, nominated Bagge based on his leadership, innovation and prowess as an analyst.

Capt. Douglas W. Cook, NWC Commander, made the presentation recently, noting it was the highest honor the Center commander can bestow on a civilian employee.

While Bagge initially came to China Lake as a field engineer for telemetry supporting Polaris tests at the SNORT Range, he made his mark with expertise in advanced technology analysis for test range instrumentation and weapons. Arnold cited the Special SAM Project and the U.S. Anti-Air War (AAW) Capabilities Study as two of numerous major studies Bagge has led or participated in.

Arnold's nomination added, his "analysis of test data on the U.S. Navy's capabilities to engage advanced technology threats will directly impact our future AAW systems design and the improvement of our current systems. Much of our analysis reputation at NWC can be directly attributed to his tireless efforts toward providing his client community with quality analysis products. Under his leadership, many innovative and useful analysis tools have been developed and brought on line."

A general engineer, Bagge is a native of Chicago and graduate of the Illinois Institute of Technology.



NAVY MEDAL--Capt. Douglas W. Cook, NWC Commander, pins the Navy Meritorious Civilian Service Award on Henry L. Bagge of the Weapons Planning Group. Photo by PH3 Cary Brady

Commentary

NWC Rocketeer

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The Skipper Sez...

STATEMENT

I have received several questions regarding the reduction of gate hours. As announced previously in the *Rocketeer* and in local press releases, the reduction in hours resulted from efforts to more efficiently use Center overhead funds and improve Center security.

Perhaps because of the advance publicity that was provided regarding the reduced hours, there were relatively few complaints regarding the changes. In answer to the questions concerning the occasional use of two guards on the Knox Gate, the guard contractor uses this post as part of the initial training program for new guards.

In answer to the question from the individual who seemed to feel that the change in gate hours at the Knox Gate was intended to inconvenience enlisted personnel, let me say that nothing could be further from my desires. The reasons for the change are those originally stated. The amount of traffic flow through Knox Gate did not justify the costs for manning the gate.

Pages from the Past



Feb. 28, 1951

LCdr. E.F. Marker became the first Navy officer to be retired from China Lake today, but this isn't really the end, since he is being recalled to active duty indefinitely. . . The 1951 Red Cross Fund Drive was asking NOTS employees to donate an hour's wages each to reach the local goal. . . Joseph Krentz got a beneficial suggestion award for improving socket wiring on rectifier tubes used in missile firings. . . Dr. William C. Randels will speak at a meeting discussing weapons used in Korea.

Feb. 25, 1966

GMG1 Minoru Yoneda was named Bluejacket of the Month at the Naval Air Facility. . . NOTS Technical Director William McLean hosted the West Coast Senior Scientist Meeting. . . LCdr. Jackie Cooper, USNR, star of the television series *Hennessy* starred in a Propulsion Department safety film written and produced by NOTS personnel. . . National Security Industrial Association members met at the NOTS Pasadena Annex. . . China Lake Branch, Navy Relief Society moved into new quarters at

55 Lauritsen Road.

Feb. 27, 1981

Donald E. Gahn earned the Technical Director's Award for contributions to High Speed Anti-Radiation Missile development. . . Twenty members of an Air Force Reserve Civil Engineering Squadron took part in heavy equipment training at NWC. . . Helena Lewis, deputy EEO officer in the Office of the Commandant of the Marine Corps spoke for a Black History Month dinner at China Lake. . . VX-5's basketball team won Commander's Cup competition, beating NWC Gold and NWC Blue.

Feb. 28, 1986

NWC was one of eight Navy R&D centers to be assigned to the Space and Naval Warfare Systems Command. . . The Aviation Supply Division demonstrated new hot refueling techniques for aircraft at Armitage Field. . . Michael Hartney won a Technical Director's Award for cost analysis work, the first time a member of the Central Staff has won the award. . . The Center cancelled its summer employment program because of the current hiring freeze.

The individual who was concerned about the gates opening at 0630 during the workweek should feel better knowing that no traffic gate now opens later than 0600.

Finally, in answer to the individual who was concerned that the new gate hours had not been addressed in the Skipper Sez, there was an article in the *Rocketeer*, in addition to several articles in local newspapers, announcements in several Center meetings and the distribution of 8,000 flyers announcing the new hours. You are right. Until this article, the subject had not been addressed in the Skipper Sez. However, I do appreciate the obvious interest paid to this column as one of many vehicles of communication. *All China Lakers, including military personnel, civilian employees and their dependents, are invited to submit questions to this column. Such queries must be in good taste and pertain to matters of interest to a large segment of the China Lake community. Answers to these questions are directly from Capt. Douglas Cook. Please call NWC ext. 2727 with your question and state whether you are a military member, civilian employee or dependent. No other identification is necessary. Since only one or two questions can be answered in the Rocketeer each week, anyone who would like to ensure getting an answer to a question may leave their name and phone number for a direct contact, but otherwise, this is not required. There is no intent that this column be used to subvert normal, established chain-of-command channels.*

China Lake Calendar

March 5

. . . Supercomputing Forum, Michelson Lab, Room 1000D, Management Center, Theatre
. . . Sun Users' meeting, 11 a.m., Hideaway

March 8

. . . IWV Multi-Organizational Technical Seminar, 8 a.m., Room 1000D, Michelson Lab

March 9

. . . IWV Navy League Bluejacket of the Year Banquet, 6:30 p.m., NWC Seafarer Club

March 23

. . . Blue Angels Air Show, 10 a.m., Armitage Field

March 31

. . . All You can Eat Easter Brunch, 10 a.m. to 1 p.m., NWC Seafarer Club

Coming Events

April 5, Retiree Appreciation Day
May 6-7, Annual Safety Standdown
June 4-8, American Heritage Week Celebration

Items of Interest to the China Lake population may be placed in the CHINA LAKE CALENDAR by calling the NWC Rocketeer at NWC ext. 3354 before 11:30 a.m. on Monday before Thursdays publication.

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

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

1 PERSONALS

SWM, 37 trim, prof'l, enjoys art, movies, hiking, reading, has it together (arms and legs still intact!), seeks positive natured, bright, 26-44, post-neanderthal SWF with sense of humor. Prefer non-smoker, no drugs. Send note and phone number to: Post Cro-Magnon, P.O. Box 1415, Ridgecrest, Ca. 93556.

30 SERVICES

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40 MISC. FOR SALE

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FOR SALE: Car top carrier, like new - \$50.00/OBO. 446-2827.

Washer, works fine - \$65. Epsilon car stereo pre amp EQ - \$50. Whistler 400 radar detector - \$60. 446-5293.

55 REAL ESTATE

HERITAGE VILLAGE - 2BR, 2BA, 1350 sq. ft. home. Beautifully landscaped yard, deck, and fireplace. Pool, spa, tennis courts. \$95,000. 446-6352.

ALL HANDS
MAGAZINE OF THE U.S. NAVY

• Navy helps in quake aftermath
• Staten Island, N.Y., ready for the fleet
• Navy doctors on Mount Everest
• 'Abc' joins the fleet
Look for the February All Hands - It's your magazine.

NWC Rocketeer

The 'Voice' of NWC for all of China Lake Community.

For more information or to place a display ad call **375-4481**

The deadline for display ads is Mon. 4 p.m.

20 RENTALS

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Furn pvt. livrm, BR, bath. Rent includes heat, light, A/C, trash, water, basic cable & Ans. Service. \$325/mo. Share kit, laundry, etc. No deposits required. Rosi 446-6710.

ROOM FOR RENT: Mature, non-smoker need only apply. 375-2542, leave message.

35 AUTOMOTIVE

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'86 T-BIRD ELAN - Loaded, A/C, Tilt, Cruise, AM/FM Cass., Pwr Windows and Seats. Too much to list, MUST SEE. \$5500/OBO. 619-375-0330 (H), 619-446-1701 (W).

1988 FORD MUSTANG GT. Low Miles, All Power Options. Black outs, New Goodyear Eagles, A/C, Am/Fm Cassette Stereo. New Brakes, Alarm. 5 Speed. Blue Book \$10,000. \$8,900 Firm. Immaculate. 375-9273.

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Community Events



Orders are now being taken by volunteers of the American Cancer Society for fresh cut daffodils. The flowers, which can be purchased by calling 377-5472 or (800) 344-4578, will be available the week of March 25.

Dr. Alan H. Batten, senior research officer, Dominion Astrophysical Observatory, Herzberg Institute of Astrophysics, Victoria, B.C., Canada, will talk about *The Struves of Pulkovo, A Family of Astronomers* at Cerro Coso Community College Lecture Hall beginning at 7:30 p.m., on Thursday, March 14.

Aerobic, dance, exercise and Jazzercise enthusiasts from throughout the Indian Wells Valley will be participating in *Dance for Heart* on March 17th at the Kerr-McGee Center.

JRFH chairman Carol Ford at 446-2434, or the AHA Bakersfield branch office (805) 327-1173.

Hamil Ma has generously donated a framed watercolor painting of Red Rock Canyon for the Maturango Museum's annual dinner, Friday, March 1. Tickets for this drawing are on sale at the Museum Gift Shop. Call 375-6900 for more information.

Applications are now being accepted for fellowship positions in the California State Assembly. The program begins in October 1991 and runs through August 1992. To get an application, call Assemblyman Trice Harvey's office at (805) 324-3300. Applications must be received no later than March 1.

Community Connection for

Child Care is presenting a complete series of parenting tapes over the phone.

•Mar. 2 - Mar. 8 -- *Discipline!* Discipline as teaching for the future.

To listen to the tape listed above please call 375-0446.

On the fourth Tuesday of each month, the Kern County Department of Human Services holds a family day care home licensing orientation at 440 W. Robertson, Ridgecrest at 1:15 p.m.

Please call the day of the orientation at 375-6781 to confirm the class is being held. For more information, call Jean at Community Connection for Child Care, 375-3234.

March of Dimes' *Walk America* committee for Ridgecrest is inviting any business, community organizations and especially individuals to participate in planning and development of a successful fundraising walk-a-thon scheduled for Saturday, March 16. Registration begins at 7 a.m., and the walk at 8 a.m. For more information please call 375-5059.

MOWC needs items for annual Creative Auction

Auction items are still needed for the Military Officers' Wives Club (MOWC) Creative Auction, which is scheduled for March 15 at the Seafarer Club. Items needed include services (special dinners, poker party, cruise on privately owned boats, etc. -- the more creative the better) or goods (craft items, nick nacks, etc.).

Individuals who wish to donate should call Randie Williams at 446-6520.

The club has already raised more than \$5,000 worth of door prizes for this annual fund-raising event. Money raised will be used to supply scholarships for active duty and retired military dependents and helps support local non-profit organizations.

The fun starts at 6:30 p.m. This year's theme is *Americana*. Don't miss out!



Museum's new exhibits feature NWC

On March 2, the community is invited to the grand opening of Maturango Museum's new exhibits spanning the ages from mighty mammoths to modern missiles. A reception from 12 to 1:30 p.m., will feature a short program with presentations by sponsors of the exhibits and representatives of local government, followed by light refreshments.

At 2 p.m. Dr. David Whistler, curator of paleontology from the Natural History Museum of Los Angeles County will present a Saturday adventure for the whole family on fossil remains of animals that inhabited the Indian Wells Valley during the Pleistocene.

A Sidewinder missile is the centerpiece for the exhibit on the "History and Mission of the Naval Weapons Center." Also featured are historical photographs and narrative describing the many facets of this unique military base. Sponsored and designed by NWC, the finished display will be presented to the public on March 2.

March 2nd will also be the official reception for the Petroglyph Rock which was created over the past year in front of the museum by rock art replica expert Dan McCarthy, faux rock specialist John Gauld and museum volunteers.

North American Chemical Company will be adding a video to the Searles Lake Story that will feature on three programs on Searles Lake formations, history, and products.

For those who cannot who cannot attend the opening, please come by soon to enjoy these exciting additions to the Museum's permanent exhibits.

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Military News

Candidates for Bluejacket of the Year are stellar performers

Editors Note: This is the final article in a three-part series featuring the China Lake military members competing for the Navy League's Bluejacket of the Year honors. The Indian Wells Valley Council of the Navy League will announce the winner at the annual Bluejacket Banquet, set for the Seafarer Club at 6:30 p.m., March 9.

"Working on the flight deck is where it's at!! And it's the best thing in the world!" enthusiastically remarked Chief Aviation Machinists Mate (Aviation Warfare), Casley J. Cormier. It is also one of the main reasons this 1990 Bluejacket of the Year nominee hung around the flight decks and airfields long enough to make chief petty officer. "When you're on the flight deck of an aircraft carrier it's a whole other world. Your mission is to get an airplane off the point end of the ship. It's just something you have to experience for yourself to understand!"

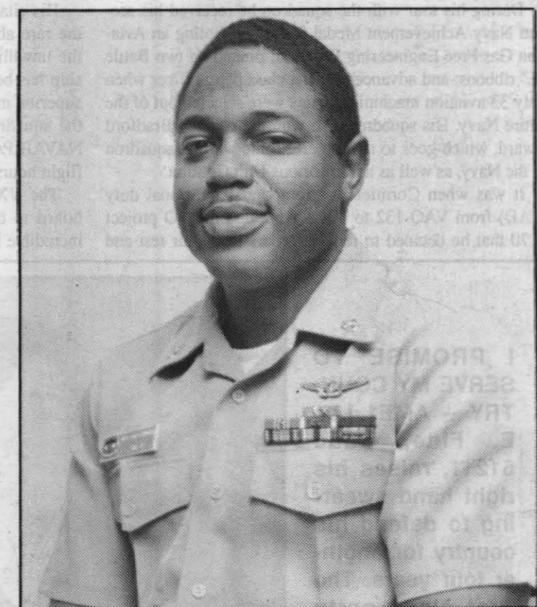
ADC Cormier, a power plants supervisor in Air Test and Evaluation Squadron Five (VX-5), has come a long way since joining the Navy almost twelve years ago. Looking back he never imagined he would one day become a chief petty officer in the United States Navy. "I was very young and immature

when I first came in the service and considered myself a problem child," chuckled the jet mechanic, "early in my career two chiefs told me someday I would make it to chief. I didn't believe them then, but I do now!" Since that time his career has been nothing but exemplary. Few Naval personnel can say they made both first class and chief petty officer on their first time up for advancement.

The young boy from Saint Martinville, La., was sent to boot camp in San Diego, Calif., followed by AD "A" school at Naval Air Station, Whidbey Island, Wash. From there fate set his course with VA-145, also in Whidbey, where the squadron embarked upon the USS Ranger for a mini-cruise. Working as a plane captain in charge of launching and recovering three airplanes assigned to him, the young sailor discovered and fell in love with the excitement the

Naval flightdeck life brought him. "When we first went on cruise, it was during the Iran hostage crisis. We were sent on station in the Gulf to fly missions and find out what was going on. At 17 years old, I can't tell you how gung-ho I was about the whole thing!" During his tour with the squadron Cormier was awarded Plane Captain of the Month for his squadron on four different occasions.

Next, Cormier joined a FRAMP training command (VA-128), which dealt solely with A-6 aircraft. As a third class petty officer he took over responsibilities as the phase mid-check supervisor and was named Supervisor of the Quarter. He also earned his first of three Navy Achievement Medals. During his stay with VA-128 he advanced to second class petty officer and became the overall



ADC Casley J. Cormier

"Without ordnance, Naval aviation would just be another unscheduled airliner," stated Avi-

ation Ordnanceman Second Class, Steven S. Carpenter. "The thing that makes the difference is

the fact our aircraft carry weapons and ordnance." Nominated for the Navy League's 1990 Bluejacket of the Year title, the young petty officer finds his job exciting and completely different from other ratings in the Navy. "We're (ordnancemen) a strange breed of characters! Very few people can relate to us. But we always stick together both in and out of work."

AO1 Carpenter, an assistant day check supervisor in the Naval Weapons Center's ordnance shop, has moved quickly through the ranks since joining the Navy six years ago. "I originally planned to join the Army," the Limestone Maine, native said. "However, they were unable to offer me the field I wanted so I looked into the other services." After talking to a Navy recruiter, he was offered a rate working with weapons, which intrigued him, so it was the Navy he ultimately chose.

The sailor entered the service through the delayed entry program in April of 1984 and was sent to basic training in San Diego, Calif., during the fall of

that same year. It was then to Basic Aviation Training School followed by Aviation Ordnance "A" School in Memphis, Tenn. From there, he was stationed with VF-114 in Miramar, Calif., for four years. He worked on the flight deck as part of the CAG arm/dearm team. "My job was to arm the missiles on the catapults prior to the jets taking off. We dealt solely with the weapons systems," said Carpenter. "It's quite an experience being under one of those jets when it's turning. There is never a dull moment, every launch is quite different from the other. I loved it!"

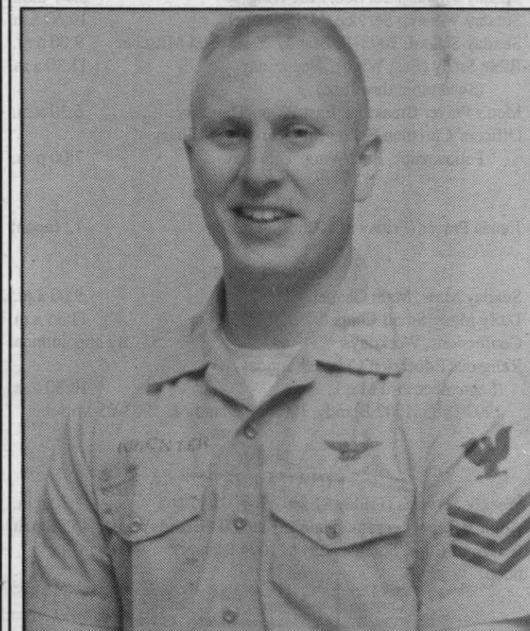
The sailor performed duties during two deployments with the squadron aboard the USS *Enterprise* during 1986 and 1988 working with F-14 Tomcat aircraft. He was on the cruise that deployed through the Suez Canal after the bombing in Lybia and was also part of "Operation Preying Mantis," the brief conflict with Iran, following the mining of the Persian Gulf by Iran.

During his four years with the squadron, Petty Officer Carpen-

ter advanced from an airman to a second class petty officer. "I went straight up the ranks," he said. He was meritoriously advanced to second class by his captain under the Command Advancement Program. He earned a Joint Meritorious Unit Commendation ribbon, a Meritorious Unit Commendation ribbon, a Battle "E" ribbon, two Armed Forces Expeditionary medals, two Sea Service Deployment ribbons, and a Good Conduct Medal.

In March of 1989, the ordnanceman became part of the NWC military team and has had nothing but good fortune since his arrival. He made first class petty officer and obtained his Aviation Warfare Wings all during the same week. "I can't think of a better week I've ever had since joining the Navy," chuckled the proud sailor.

Carpenter was selected as the Naval Weapons Center's Bluejacket of the Quarter for the first quarter of 1990. He was also selected the Aircraft Maintenance Departments Sailor of



AO1 Steven S. Carpenter

(Continued on Page 8)

Cormier proud representative for VX-5 Vampires

(Continued from Page 3)
phase supervisor.

In 1986, ADC Cormier extended his service in the Navy for orders to VAQ-132, an EA-6B squadron in Whidbey. It was "back to the roof" working as a trouble shooter and night check flight deck coordinator. "Our squadron had a 96% aircraft sortie completion rate, which meant we lost very few launches!" said the chief.

During his tour with the squadron he received his second Navy Achievement Medal for implementing an Aviation Gas Free Engineering Program; pinned on two Battle "E" ribbons; and advanced to first class petty officer when only 33 aviation machinists mates were selected out of the entire Navy. His squadron also won the coveted Bradford Award, which goes to the top electronic warfare squadron in the Navy, as well as a Meritorious Unit Citation.

It was when Cormier was temporary additional duty (TAD) from VAQ-132 to VX-5 working on CNO project 1170 that he decided to request orders to the air test and

evaluation facility. "The chance to work with multiple aircraft was the biggest reason I wanted to come to VX-5," said Cormier. He joined the squadron in April of 1990 and has taken the bull by the horns ever since.

He was selected as the VX-5 Supervisor of the Quarter for the second quarter of Fiscal Year 1990 for his technical expertise, superb management abilities and strong positive leadership skills.

His citation letter read, "Petty Officer Cormier possess the rare ability to extract maximum efforts from all and the unwillingness to accept anything than top workmanship has become his trademark. . . his acceptance of only superior maintenance techniques significantly enhanced the squadron's safety program resulting in three COMNAVAIRPAC safety awards for over 34,000 accident free flight hours."

The VX-5 sailor was recently selected by the chiefs board to don his "khaki" uniform. He considers it an incredible honor and wouldn't trade it for anything in the

world. "Up until I made my cruise with VA-132 in 1986, I had only seen three black chiefs in my entire career," stated Cormier. "It motivated me to prove to others that if you push for it long enough the opportunity is always there to make it."

In his free time, the chief petty officer loves to coach for the Indian Wells Valley Youth Football League. And he takes this very seriously. He even goes so far as to tape all the games and review them with the team just like the pros do! He also keeps very busy helping his wife Charlene keep track of their five children. A great disposition and an optimistic outlook on life lets this sailor take it all the different aspects of his life in stride!

The chief petty officer looks forward to going back to the flight deck of an aircraft carrier, this time as a flight deck coordinator. "I will be able to work with the troops in a different capacity. I've been there and I know what it takes to get the job done!"



I PROMISE TO SERVE MY COUNTRY -- AME1 Lee E. Fine, Code 61211, raises his right hand swearing to defend his country for another four years. The first class petty officer made his pledge to Lt jg. Rick Chapman, Code 6126, the re-enlisting officer.

Picture of the Year contest in March

Washington (NNS) -- The 1990 Military Pictures of the Year (MPOY) competition will be held during March 1991.

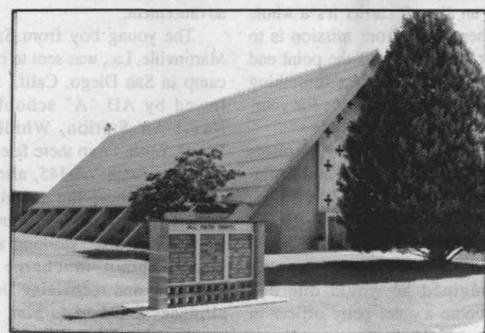
The contest is open to all full-time active-duty military personnel holding the MOS, NEC or AFSC of photographer, journalist or photojournalist. Reserve and National Guard personnel assigned to those positions during ACDUTRA may enter photography taken while training. Members who leave the service

during the year may compete if the submission was completed while on active duty.

All entries must be the work of one individual. Collateral works are eligible only in the "special" category. Photos must have been made between Jan. 1 and Dec. 31, 1990, and entry packages must be postmarked by Feb. 15, 1991.

Entries are made in nine categories: combat camera, picture story, news, feature, portrait/per-

sonality, illustrative photography, pictorial, sports and special. All entries must be produced on official projects and/or depict or relate to some aspect of military life. Images must be releasable through the Office of the Assistant Secretary of Defense (Public Affairs) or they will not be considered in the competition. For details, contact Ken Hackman, 1352 AVS/DOOJ, Norton AFB, Calif., 94209-5996 or call (714) 382-3133.



Divine Services

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

Islamic	
Jumaa Prayer (Friday at 1006 Blandly)	12 (noon)

Roman Catholic	
Sunday Mass, Main Chapel	9:00 a.m.
Daily Mass, Small Chapel	11:35 a.m.
Confessions, Weekdays	By appointment
Religious Education Classes (Sunday) (September thru May)	10:30 a.m.
1902 Dibb, 1002 Blandly, 1008-10 Blandly & 1903-05 Mitscher	

Jewish	
Weekly Services (Friday - East Wing)	7:30 p.m.
Adult Hebrew Lessons (Saturday at 1004 Blandly)	3:00-5:00 p.m.
Religious Education (Sunday at 1004 Blandly)	9:00 a.m.-12 noon

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NEX plans super savings bonanza sale

Navy Exchanges are hosting a super savings bonanza, the March Madness Sale from Feb. 27 through Mar. 3. The five-day sale features merchandise from virtually every department in the store, including fashions for the whole family,

electronics, sporting goods, watches and household items.

For the full scoop on March Madness and Lunatic Savings pick up a circular at the Navy Exchange.

Training opportunities abound on-Center

New Employee Orientation
March 5, 0800-1600, Training Center. By NWC staff.

Scope: The program starts with a welcome aboard by Capt. Douglas W. Cook, NWC Commander, and a Center overview by the Technical Director, Bill Porter. Other topics included in the program are standards of conduct, training opportunities, security, employee assistance program, MIPI, technical information overview, equal employment opportunity, NWC and area recreation, continuous improvement program (TQM) and the legacy of the lake.

Enrollment is accomplished via department offices. Each new employee will be contacted and approved by their department offices. If, as a new employee, you have a question regarding attendance of this program, please call your department office.

How to Get Your Point Across
Self-study, Training Center.

Scope: This two-cassette package will help you take command of written and spoken communication. It focuses on both written and spoken skills. By listening, learn the six components of all oral communication, keys to successful speeches, presentations and one-on-one encounters, plus many more techniques.

Working Smarter
Self-study, Training Center.

Scope: Things start out on the right track. You find this incredible vendor who's dying to win your business. And, when he does, he bends over backwards to meet your every need. But as time goes on, that great relationship begins to deteriorate. The same vendor who begged for your business now can't fit your "rush" projects into his busy schedule, etc. So, what do you do? Learn proven skills for keeping that great working relationship you started with -- and getting failed ones back on track. This two-audiocassette program will help you do just that.

How to Love the Job You Hate

Self-study, Training Center.

Scope: If you're like the many people today who've been struck by the "I-hate-my-job" epidemic, you may have started arriving late, or leaving early, or hiding out in the restroom, or even updating your resume. But your job doesn't have to make you miserable. It can, and should, be an experience you actually look forward to each day. In this program, you'll discover how to re-charge your attitude and re-channel your energy.

Yes! You Can Write (6 hours)
Self-study, Training Center.

Scope: There is a sequence of things to do and ways to think that will result in increased results and satisfaction in your writing. This program has two very simple messages: you are a writer, and there is a way to write that is natural to the way your mind works. You will discover in listening to these tapes how to get started every time you sit down to write, how to have fresh ideas on any subject, how to gauge what result your writing is going to produce, how to revise quickly and effectively, how to complete a piece of writing and even how to break writer's block.

How to Gain Instant Rapport With Anyone (4 hours)

Self-study, Training Center.

This program was developed by psychologist Michael Brooks, a communication specialist who has appeared on several television shows. He is the founder of Rapport Technology Group and has trained thousands of corporate executives in rapport techniques. The difference between a charismatic person and million of others can be summed up in one word -- rapport -- which is the ability to communicate one-on-one in any situation with anyone. In this program, you will find that negotiating becomes easier, communicating with your boss, clients and co-workers will be more relaxed, natural and productive, even lines of communication that have been down for years will open up.

RF/Microwave Transistor AMP Design (12 hours)

Self-study, Training Center.
Scope: This course covers active circuit design fundamen-

The Seven Habits of Highly Effective People

Self-study, Training Center.
By Stephen R. Covey.

In this book, Covey presents a holistic, integrated, principle-centered approach for solving personal and professional problems. With penetrating insights and pointed anecdotes, Covey reveals a step-by-step pathway for living with fairness, integrity, honesty and human dignity -- principles that give us the security to adapt to change and the wisdom and power to take advantage of the opportunities that change creates.

Good Fat, Bad Fat: How to Lower Your Cholesterol

Self-study, Training Center.

This book explains exactly how you can beat the odds of a heart attack. It includes 200 delicious recipes you'll eat with gusto as you reduce your saturated-fat and cholesterol intake. You will also find easy-to-use tables for all popular foods which will help you identify and control your intake of saturated fat and cholesterol.

Books Available for Problem Eating

Self-study, Training Center.

The Training Center has a number of books available which explore the problem of compulsive eating. They are: *Feeding the Hungry Heart*, by Geneen Roth; *Breaking Free From Compulsive Eating*, by Geneen Roth; *Why Weight? A Guide to Ending Compulsive Eating*, by Geneen Roth; *Diets Don't Work*, by Bob Schwartz; and *Diets Still Don't Work*, by Bob Schwartz.

To check out any of these self-study programs, call Tammy Berry at NWC ext. 2451.

RF/Microwave Transistor AMP Design (12 hours)

Self-study, Training Center.
Scope: This course covers active circuit design fundamen-

als; CAD concepts and applications; power gain expressions, stability and DC biasing; unilateral and bilateral amplifiers. Course may also be taken as part one of a 3-part course titled *Modern Microwave Circuit Design I*.

Method: Video/Workbook.

When I Say No, I Feel Guilty

Self-study, Training Center.

Scope: Viewers learn the techniques to use to become more courteously and effectively assertive. They include the importance of calmly repeating what you want, acknowledging the possibility that there might be some truth in criticism, sympathetically agreeing with constructive criticism, encouraging criticism, listening to everything that's being said, and skills that help you win workable compromises.

This information-packed film is the all-time leading film on assertiveness training and is based upon the best-selling book *When I Say No, I Feel Guilty* by Dr. Manuel Smith. Developing good verbal assertiveness skills is the focal point of the film, and numerous demonstrations are provided to help us learn how to implement the various steps offered.

Fast Track (2 hours)

Self-study, Training Center.

Scope: *Concept of the Corporation*, by Peter F. Drucker -- This is a timeless classic about the prototype of all giant corporations -- General Motors -- as seen through the eyes of its former consultant, Peter Drucker. This audiocassette includes an interview with Drucker.

The Inside Raider, by A. David Silver -- How to "take over" your business from within and produce superior operating and financial performance by following the management strategies of the corporate raiders of the 1980s.

Includes an interview with David Silver.

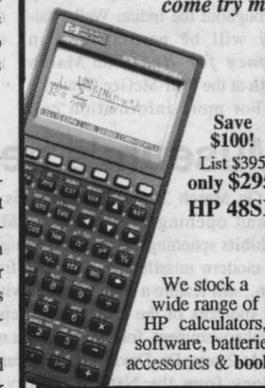
Parenting Teenagers

Self-study course.

Scope: This book deals with the challenging tasks of raising children today. It provides a practical, down-to-earth philosophy that can help parents understand the motivations of their teens. Rapidly advancing social changes have made the job increasingly difficult and confusing. Compounding this are other factors -- societal pressure, well-meaning friends and relatives and conflicting theories presented in books and magazines, on television and through other media. The area of discipline with teenagers is a sensitive but important one; it requires careful consideration and a lot of follow-through. Learning to encourage and to communicate openly with teens is thoroughly discussed in this text, which may be used for parenting classes.

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Apply now for NWC's Federal Summer Employment Program

Applications being accepted from March 15-April 15

Applications will be accepted for the Federal Summer Employment Program at the Naval Weapons Center, China Lake, CA for 1991 from March 15 through April 15. The program begins on May 14 and continues through Sept. 30.

The total size of the program will be limited to approximately 50 positions.

Category I -- Clerical positions, grades DG-A/1 (GS-1/2/3/4/5), include jobs as clerk, clerk-typists and computer clerk.

Category II -- Non-clerical positions, grades DT-1 (GS-3/4), include jobs as engineer technician, physical science technician and math technician.

Category III -- Positions in grades DA/DS/DP-1 and above, include jobs involving professional, technical or administrative work.

To apply for jobs in Category I, II and III, applicants must be U.S. citizens and at least 16 years of age at time of appointment. For clerk-typist positions, applicants must be able to type 40 words per minute. No written test is required.

To apply for positions in Category I, II and III, applicants must submit the following forms:

- SF-171 must be submitted for each position applied for under each category
- NAVWPNCEN 12720/1 -- Background Survey Questionnaire

•High school students may submit a copy of their Permanent Record Form

•College transcripts -- if qualifications are based on education (unofficial copies are acceptable), or Form OPM 1170/17

•DD Form 214 -- if applicant claims Veteran's Preference

•SF-15 -- Claim for 10-point Veteran's Preference with a photocopy of appropriate proof.

Applications for all categories of positions may be mailed to: Commander Code 225, Attn: Summer Employment Office, Naval Weapons Center, China Lake, CA 93555-6001; or taken to Naval Weapons Center (Code 225), Civilian Personnel Building (No. 2335), 505 Blandy, Room 233, China Lake, Calif.

Category V -- Summer Aid Program -- Employment for the Needy Youth. This program is designed to employ economically disadvantaged youths. Positions involve work of a routine nature and require no specific knowledge or skills. Applicants must be at least 16 years of age at the time of appointment. The rate of pay is Federal minimum wage -- \$4.25 per hour.

For further information, please contact Sylvia P. Enriquez, NWC ext. 3371.

NWC suspends clerical new hires

As of Feb. 15, the Naval Weapons Center suspended the receipt of applications for clerical positions for new hires at NWC until further notice -- which should coincide with the freeze ending. Potential new clerical hires can continue to register to take the clerical test administered by OPM (Office of Personnel Management) -- this is the process known as Pre-Determined Score (PDS) where

applicants take a test administered by OPM (Office of Personnel Management) and receive a notice of their rating (score) from OPM; however, they are asked to hold their applications until notified via an article in this newspaper. Thank you for your patience.

For more information, call Jean Simoneau at NWC ext. 2265.

Courses offered

UCLA Extension is offering a wide variety of short courses this spring, including electrical and electronics engineering courses and defense engineering courses.

For further information, including a brochure detailing all spring quarter engineering short courses, call (213) 825-1047, FAX (213) 206-2815, or write: UCLA Extension, Engineering Short Courses, 10995 LeConte Ave., Ste. 530, Los Angeles, CA 90024.

Recipients...

(Continued from Page 19) emergency basis with the diagnosis of acute myelogenous leukemia.

Satik Martensen, Management Assistant, Code 36402 -- is diagnosed as having nodular sclerosing Hodgkin's Disease and is currently undergoing treatment.

Jay W. Hill, Code 6421, Electronic Technician -- is being treated for pneumonia and valley fever and is indebted for leave.

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SALES SERVICE

FEHB plans require pre-certification for hospital admission

Effective Jan. 1, 1991, all Federal Employees Health Benefits (FEHB) fee-for-service plans require patrons to obtain pre-certification for admission into a hospital. Most insurance companies have either sent out flyers or a special card to carry with the information and phone number needed for patrons to call to obtain the pre-certification. For patrons who have not seen this information, every year, each insurance company publishes an explanation of benefits brochure. This brochure contains the specific requirements for pre-certification per company.

Each company has a contractor to handle the pre-certification process. While rules vary slightly the basic requirement is that patrons are to call to obtain pre-certification for any admission into a hospital within two working days before admission. If it is an emergency admission, patrons are required to call within 48 hours or two working days after being admitted (companies vary on this time limit). The patron, hospital personnel or doctor can call for certification. This call must be made before scheduling inpatient surgery. Failure to obtain the certification required by the company will result in a \$500 penalty, which will be deducted from the benefits payable to the hospital. FEHB patrons should check their insurance companies' brochure for details.

Following is a list of phone number for each company to obtain hospital pre-certification ONLY.

- Alliance -- 1-800-366-6527
- APWU -- 1-800-447-1704
- BC/BS -- 1-800-633-4581
- GEHA -- 1-800-322-4342
- Mailhandlers -- 1-800-624-5052
- NALC -- 1-800-622-6252
- NTEU -- 1-800-553-8700
- Postmasters -- 1-800-654-6530.

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Desert Storm help:

Office of Counsel volunteers prepare wills for deploying personnel from George AFB

Eleven Naval Weapons Center volunteers worked through the night early this year to help more than 200 U.S. Air Force men and women quickly deploy to the Persian Gulf region. The volunteers, all employees at NWC's Office of Counsel, prepared wills and powers of attorney to help the Air Force complete the short-notice deployment.

John Unpingco, NWC Command Counsel and an Air Force reservist himself, responded to a call for help from the Staff Judge Advocate's (JAG) Office at George Air Force Base near Victorville. The George AFB JAG Office needed help in making certain the personal affairs of the men and women about to deploy were in good order and simply didn't have the manpower to get the job done without help.

Volunteers at NWC responding to Unpingco's request worked from 4:30 p.m. to 3:30 a.m. to produce all the wills needed.

The all-volunteer staff included Russell Spindler, Stuart Nissim, Elaine Wunderlich, Martha Harrington, Marlene Nelson, Carol Nissim, Joy Adams, Meichelle McGuire, Shelley Salisbury, Debra Kuehn and Bonnie Richardson. They were attorneys, paralegals and clerks working together under a tight deadline.

Unpingco praised the volunteers, noting the drafting and typing of wills is not a function ordinarily done by the Office of Counsel. Because of this, the staff had to quickly learn the key elements of drafting a will and write a computer program to expedite the writing and editing process.

It took several pounds of homemade chocolate chip cookies, a number of pizzas, gallons of beverages, but more than 200 wills were prepared and sent to George AFB in time for the deploying airmen to sign.

Air Force Brig. Gen. Richard Bethurem, Commander, 831st Air Division, heard of the smiles of relief and thanks from the airmen who had been told the wills probably wouldn't be ready in time, and sent a letter of appreciation to the China Lake volunteers saying, "such unselfish dedication is truly commendable." In praising the all-out effort to get the wills ready, he added, the "dedication and professionalism was greatly appreciated by our deployed airmen and their families."



VOLUNTEER EFFORT-- Members of the Office of Counsel put in hours of volunteer overtime to assist USAF personnel headed for the Persian Gulf. The work was done by the following people in the new "Wills R Us" section -- Russell Spindler, Stuart Nissim, Elaine Wunderlich, Martha Harrington, Marlene Nelson, Carol Nissim, Joy Adams, Meichelle McGuire, Shelley Salisbury, Debra Kuehn and Bonnie Richardson. Photo by PH3 Cary Brady

Desert Christian Center

Meeting at the Masonic Lodge
625 N. Norma
WORSHIP 8:30am & 10:30 am
Child Care Provided (0-5)
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Pastor Michael Godfrey
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Suite B 375-8131

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USMC salutes Code 32 ordnance experts

Nine Naval Weapons Center (NWC) employees were honored by the U.S. Marine Corps with Certificates of Commendation for their efforts in providing the mine countermeasures program with a qualified alternate fuel of the catapult-launched fuel-air-explosive (CATFAE) program.

Carl Halsey, Sharon Berry, David Meade, Robert Currier, Ron Coldt, Marv Windsor, Betty Compton, Jim Nelson and Louis Saddison were honored at the weekly Commander's Meeting recently by Capt. Douglas W. Cook, NWC Commander and Marine Aviation Detachment Commanding Officer, Col. J. R. Agenbrood. The presentation was made on behalf of the USMC's Research, Development and Acquisition Command.

Col. Agenbrood noted the task of clearing mines in amphibious operations had been a tough nut to crack and credited the NWC group with completing significantly important tests toward meeting this goal. "This group went forth in true Marine Corps fashion to complete the tests," said Col. Agenbrood.

According to the certificates, the China Lakers, all part of the Ordnance Systems Department, worked under adverse environmental conditions in testing the alternate fuel. Their professional approach to duties and expertise in explosive testing were instrumental in qualifying the alternate fuel for the CATFAE round.

Winter earns one of Scoutings' outstanding adult leader awards

Don Winter, head of the Engineering Department's Missile Systems Branch, was recently presented the highest award in Boy Scouting for an adult in the Southern Sierra Council, Boy Scouts of America. The veteran Naval Weapons Center employee received the prized Silver Beaver Award last month in Bakersfield.

An Eagle Scout himself in 1953, Winter's leadership as a Scoutmaster helped 23 area Scouts earn Eagle rank since 1982. Another five Eagle Scouts started under Winter's guidance and achieved their Eagle rank

aver leaving the area.

A native of Selma, Ala., Winter is a graduate of the University of Missouri, Columbia and has been a China Laker since moving here in 1964 after three years with the Naval Avionics Facility in Indianapolis.

In addition to his work with area Scouts, Winter was active in 4-H, youth baseball and been on the board of directors for the Ridgecrest Community Hospital and Desert Counseling Center.



WELL DONE--In true Marine Corps fashion, nine members of NWC's Ordnance Systems Department overcome adversity to conduct an important test in support of the U.S. Marine Corps's mine countermeasure program. Col. Jerry Agenbrood, commanding officer, Marine Aviation Detachment, congratulate Carl Halsey and the members of his team. Joining Halsey in earring the thanks of the Marines were: David Meade, Sharon Berry, Robert Currier, Ron Coldt, Marv Windsor, Betty Compton, Jim Nelson and Louis Saddison. Photo by PH3 Cary Brady

WACOM hosts *The Great Briton* at March 12 luncheon meeting

Paul Tracey, also known as *The Great Briton*, will perform a concert of songs and stories of England, Ireland, Scotland and Wales during WACOM's luncheon meeting set for Tuesday, March 12, in the Seafarer Club starting at 11 a.m. with a social hour,

followed by lunch and the program.

Tracey can trace his father's side of the family to the Battle of Hastings in 1066, on his mother's side, he is connected to the rich heritage of the Scots. For reservations, call 375-9600.

Long-term training applications being accepted

Applications for long-term graduate and undergraduate level training (training off Center for a period of more than 120 consecutive working days) beginning in fall of 1991 are invited from NWC employees. To be eligible for long-term training, interested individuals should be employed at NWC for at least three years at the time studies begin and, if applying for undergraduate level training, must be within 2 years of competing the undergraduate program.

Long-term training may be considered to meet any of the following objectives:

1. To update employees' knowledge where several years have passed since they have completed or left academic or in-service training.
2. To give technical employees management skills when job responsibilities have, or will become, managerial.
3. To update employees' knowledge and background in their job specialty.
4. To teach employees aspects of another occupation that relates to their present occupation where responsibilities are interdisciplinary or multidisciplinary.
5. To provide educational opportunities stressing motivation and human relations.

Both graduate and undergraduate programs are supported by NWC.

The Long-Term Training Committee (LTTTC) will consider applications in any area of study that relates directly to NWC program requirements. The primary criteria the LTTTC follows in determining when long-term training is used instead of after-hours, part-time or short-term programs are as follows:

1. The new knowledge and skills required of the

employee, either in present or planned career assignments, necessitate a comprehensive, concentrated program of study.

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

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

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

Long-Term Training funds are available to cover the trainee's travel allowance to and from school (one round trip), tuition and fees required for enrollment, and payment of a reduced rate per diem to cover the cost of rent and utilities. Code 2241 will be responsible for payment of the trainee's salary including MTP funding.

The following areas of critical need have been established by Center management:

At the graduate level: systems engineering; microwave/RF circuits, subsystems and missile guidance, antennas, and radar engineering; microwave antennas; digital and analog signal processing; missile test equipment; target signatures--modeling and reduction; radar, laser, EO-IR targeting sensors; weapons/avionics integration; tactical embedded software; facility simulation software; air combat susceptibility/vulnerability; EW systems; propulsion systems; rocket motor propulsion; high energy tomography operational research/analysis; statistics; advanced structural engineering (aerodynamics - CFD, aerospace - thermal, structures); financial/business sys-

tems analysis; physics (electro magnetism); integrated optics - optical and electronic thin-film device engineering; electrical engineering - high voltage, short - rise time power; physics/engineering -- detonation mechanics, interior ballistics, combustion; fluid mechanics modern digital signal processing - ISAR, SAR; RF active array theory/practice; avionics system engineering; chemistry - organometallic/solid state synthesis, electrochemistry.

At the undergraduate level there is a continuing need in these areas: engineering (particularly electronics and curriculums with an emphasis on reliability, manufacturing and quality); computer science (in a specialty other than offered at NWC); physics; mathematics; acquisition/contracts; financial analysis/cost accounting with an ADP background

Programs of study at both the graduate and undergraduate level are not limited to these areas.

Further details of the long-term training program are available from the Academic Fellowship Office, Code 2241 (NWC ext. 2349) in the Training Center. NAVWP-NCENINST 12410.5M of Nov. 12, 1987, and the Long-Term Training Handbook can only provide limited guidance as they are both in the process of being rewritten.

The long-term training application process has been streamlined, applicants are strongly advised to contact Code 2241 (Training Center, Bldg. 00947, Rm. 212) for information and application forms. The deadline for submission of applicants for programs commencing in the fall semester or fall-winter quarter of 1991-92 is March 15.

Information on LTT policies and application procedures is available from Bill Bethke and Sue Swett, Code 2241, NWC ext. 2349.

Co-workers need extra leave hours

Employees indicated below have been approved to become leave recipients under the Leave Transfer Program. These employees have exhausted annual and/or sick leave because of personal emergencies and will be in a non-pay status for at least ten days. Employees who wish to donate annual leave to the employee should call NWC ext. 2018.

Judith Talbot, Secretary, Code 001 -- is undergoing follow up treatment from a surgery performed in September and is in need of leave.

Mildred Haywood, Secretary, Code 6531 -- is in need of leave due to back injuries sustained in a car accident.

Barbara Miller, Fiscal Accounting Clerk, Code 2855 -- underwent surgery and is in need of leave.

Maryann Hiser, Engineering Data Management Specialist, Code 36542 -- will be undergoing major surgery and is in need of leave.

Betty Cirotski, Procurement Assistant, Code 31B1 -- is undergoing treatment for an acute staph infection in her surgically replaced hip. She will be unable to work for three months.

Deborah Ann Ball, Computer Scientist, Code 3922 -- underwent abdominal surgery and is in need of leave.

George J. Wiederhold, Electronics Technician, Code 6236 -- has been hospitalized for two months due to severe depression.

Sandy Joyal, Procurement Assistant, Code 257 -- broke her elbow in four places and will be unable to return to work until the end of February.

Barbara J. Bennett, Secretary, Code 308 -- had arthroplasty and needs to be off work for three months. She is indebted for leave.

Thomas Boyd, Visual Information Specialist, Code 3414 -- is off work and indebted for leave due to osteomyelitis of the spine.

Leo Montano, Visual Information Specialist, Code 3441 -- is undergoing further cancer treatment and is in need of leave.

Marlene Nelson, Paralegal, Code 006 -- underwent unexpected emergency surgery and is in need of leave.

DeWayne Davis, Engineering Technician, Code 3665 -- underwent surgery and is in need of leave.

Linda Lou Crosby, Television Production Specialist -- had knee surgery and is undergoing physical therapy.

Anita L. Rohloff, Clerk, Code 3193, -is suffering from multiple sclerosis and bilateral optic neuritis. She will be unable to work until June.

Madeline Kay Blackston, Computer Security Specialist, Code 6447 -- is required to care for her husband who has terminal lung cancer.

Cheryl Mosley, Secretary, Code 3217 -- is in need of leave to care for her son who underwent surgery.

Tamera Nelepovitz, Electronic Technician, Code 3573 -- is experiencing severe complications due to dependent diabetes and is indebted for leave.

Karen Linard, Industrial Engineer, Code 3291 -- underwent major intestinal surgery and is in need of leave.

Polly Bainbridge, Secretary, Code 3922 -- is currently undergoing medical treatment and is indebted for leave.

George Petty, Physicist, Code 3924 -- was admitted to the Duke University Hospital on an

Marriage, birth, death, divorce can affect beneficiary status

If you have recently divorced, remarried, had a child or a death in the family, you might want to think about who is assigned as your beneficiary.

Beneficiaries are needed for unpaid wages, retirement, life insurance and Thrift Savings Plan. Many changes can occur in our life with such details going unnoticed. This information can be found in your official personnel folder.

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RF SEMINAR

John Fluke Manufacturing Co., Inc. of Everett, Washington is offering a 1/2 day RF SEMINAR in Ridgecrest on Thursday, March 7th.

Seminar will cover properties of RF signals for receiver measurement from DC to over 2GHz.

Topics include: phase noise applications & measurement, residual FM, phase noise relationship to FM noise, phase jitter in digital communications, and analysis of low noise signal synthesis techniques. There will be a technical presentation on signal purity, system requirements, contemporary ideas in signal generator design, and intermodulation testing.

Technical level is geared for managers, engineers, and technicians who are involved in RF measurements, RF signal synthesis and filtering, receiver evaluation, and interference testing.

Space is limited. Admission is free! Call the Fluke Office in Irvine for reservations. You'll get further details and directions when you call.

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Employees sought to fill positions at NWC

(Continued from Page 17)

support Navy communication programs. The prime function of this position will be to manage and coordinate activities to provide: network QA/CM and security; corporate network facilities; analysis, design, implementation, documentation, and maintenance of voice, video, and data networks; project planning and contracting for corporate communications equipment and services including the Center Telecommunications System and Video Conferencing; and administration of communication systems contracts. Travel involved. **Job relevant criteria:** Knowledge of affirmative action principles, including a willingness to implement EEO practices; knowledge of Navy acquisition/contractual policies and procedures; ability to plan, organize, coordinate, and manage multiple technical projects; knowledge of communication systems including hardware and soft-

ware; knowledge of existing communication standards and developing standards such as SONET, ISDN, FDDI; knowledge of gateways, LANs, bridges, digital switches, and fiber optics; ability to effectively deal with contractors and vendors; ability to communicate well, both orally and in writing. The incumbent must be able to obtain and maintain a Secret clearance. Must serve one year supervisory probationary period if not previously completed. Promotion potential to DP-4, but not guaranteed. Previous applicants need not reapply.

No. 28-042, Fiscal Accounting Clerk, DG-503-A/1/2, Code 2855 - This position is located in the Disbursing Branch of the Customer Services Division, Office of the Comptroller. Incumbent will be responsible for, under the direction of the Disbursing Officer, validation and disbursement of civilian payrolls, travel advances and claims, vendor

payments, public vouchers, deposits, and collections. **Job relevant criteria:** Knowledge of NIF accounting principles; knowledge of JTR, regulations; knowledge of Document Entry Systems; Knowledge of Integrated Disbursing and Accounting Systems; ability to work under pressure and changing priorities. Promotion potential to DG-3.

No. 34-018, Photographer (Laboratory), DT-1060-A/1, Code 3451 - This position is located in the Photo Lab Services Branch, Photographic Division, Technical Information Department. The incumbent will perform all standard techniques and procedures necessary to produce accurate and precise black and white photographic prints and transparencies. The incumbent will use various types of manual enlargers, analyzers, contact printers, automatic black and white processors, and also perform related photo finishing duties. The incumbent will be trained to produce color prints and viewgraphs, both in custom and automatic color printing sections. Training in related quality control color functions and specialized equipment will be received. **Job**

related criteria: Knowledge of laboratory processes and procedures; ability to use basic technical publications. Promotion potential to DT-2.

No. 62-046, Electronics Technician, DT-856-3, Code 62203 - This position is located in the Frequency Management Office of the Range Department. The incumbent is responsible for the monitoring and scheduling of the RF spectrum on the NWC north ranges. Duties include supervising fixed and mobile frequency monitoring facilities, coordinating RF requirements with other installations and the Western Area Frequency Coordinator, validating range RF targets, and assisting in the preparation and processing of frequency assignments and allocations. **Job Relevant Criteria:** Knowledge of electronic equipment and procedures to receive, process, and record RF signals; knowledge of digital and/or analog circuit design; skill in operating computer systems; skill in installation, maintenance, and repair of electronics equipment; ability to communicate orally; ability to communicate in writing.

No. 64-015, Supervisory Engineering Technician, DT/DP-802-3,

Code 6415- Serves as the Head, Basic Design Engineering Section of the Fleet Support Branch, Aerosystems Department. The section provides engineering support for in-service Navy parachute systems along with engineering and drafting support for the entire Recovery Systems Division. The incumbent is responsible for: all administrative and financial management of the section; providing engineering analysis and response to Fleet problems; drawing control; liaison with the Fleet, other Navy labs, and NAVAIR; marketing; and management of special projects. ****First time supervisors are required to serve a one year probationary period. Job Relevant Criteria:** Knowledge of configuration management; knowledge of Fleet change processes, i.e., RAMECS, RAC's, ACC's, ECP's, etc.; ability to perform as a first-line supervisor; ability to influence and motivate others; ability to plan, organize, coordinate, and manage a technical program; knowledge of affirmative action principles including a willingness to implement EEO practices. Promotion potential to DP-3, but not guaranteed. This Ad closes on 8 March 91.

Secretarial opportunities

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

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

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

No. 30-003, Secretary (Typing) DG-318-1/2, Code 3032 - Incumbent will provide secretarial support to the Simulation Branch of the Weapons Planning Group. Knowledge of and working skill on the IBM PC and/or Macintosh PC is desirable, but not required. Must be able to obtain and maintain a Secret clearance. Promotion potential to DG-2, but not guaranteed.

No. 35-008, Secretary (Typing) DG-318-1/2, Code 3592 - Incumbent will provide secretarial and administrative support to the Aerodynamics Branch, Attack Weapons Department. The incumbent will provide secretarial and administrative support for the branch head and engineers in terms of making travel and security arrangements, submission of reports and memorandums and tracking financial status of various projects. Knowledge of and working skills on the Macintosh PC is desirable, but not required. Must be able to obtain and maintain a Secret clearance. Promotion potential to DG-2, but not guaranteed.

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CSUB academic counselors visit Center on March 15

Academic counselors for Cal-State University, Bakersfield (CSUB) will be on-Center March 15 to advise current and prospective students in the external degree programs offered by that school.

External degree programs offered at NWC by

CSUB include a bachelor's degree in business administration and a master's degree in administration. CSUB also provides math courses in other external degree programs at NWC.

For an appointment, call NWC ext. 2648.



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Supercomputing Forum highlights trends

Tuesday, March 5, will provide NWC scientists and engineers with a unique opportunity to assess the state of the art and future trends in supercomputing. A full day of meetings will be held, with the morning session slated at the Center Theatre and the afternoon session at Room 1000D and the Management Center in Michelson Laboratory. Training credits will be provided for each half-day of attendance. More information is available from Jack Van Wieren, NWC ext. 3597.

The morning session in the Center Theatre will begin at 8 a.m., with keynote speaker Jack Worlton. His talk, titled, *The Once and Future Supercomputer*, highlights new capabilities and environments for supercomputing in science and engineering.

The morning continues with a talk by Dr. Vijaya Shankar, direc-

tor, Computational Sciences, at the Rockwell International Science Center on, *Supercomputing Trends for the 90's: Opportunities for Interdisciplinary Computations*.

The third speaker will be Doug Goodman of Cray Research, Inc., with a talk describing requirements for aerospace system simulations of the future. The final morning speaker will be Harold Dreibelbis, of H.D. Consultants, Dreibelbis will talk on *Future Range Data Processing*.

Afternoon meetings highlight technologies to enhance the effectiveness of supercomputing and glimpses into development projects at Cray Research, Inc.. The afternoon will begin with a Network Supercomputing Demonstration from 1 to 2:30 p.m. in the Michelson Laboratory Management Center presented by Dick

Bland of Cray Research, Inc.

Ken Dozier, now director of research at Los Angeles State University, will describe *An Applied Visualization Center* in Room 1000D at 2:45 p.m. The day will close with presentations in Room 1000D by Doug Goodman and Dennis Kelsch of Cray Research, Inc., on their Massively Parallel Project and Real-Time Initiative.

A parallel session for program managers scheduled from 1 to 2:30 p.m. will feature Dr. Worlton, in Room 1000D, Michelson Laboratory, speaking about, *The Economics of Supercomputing*.

The Naval Weapons Center's own Cray X/MP-EA-116 supercomputer was installed in March, 1989, and provides the Center's scientists and engineers with easy access to the benefits of high speed computation, large memory availability, and fast input/output.

Day-long multi-group technical seminar set for next Saturday

On Friday, March 8, the Naval Weapons Center hosts the first Indian Wells Valley Multi-Organization Technical Seminar will be held. The event, being held in Room 1000D, Michelson Laboratory, from 8 a.m. to 4:30 p.m., will offer technical briefings by the AIAA, NCMA, ASPA, ASMC, SIGADA, ASQC, SOLE and EKLSA. There will also

be a panel discussion with all the speakers.

This seminar is a review of trends for the total environment of weapon system development. Documentation for training credit will be furnished. Reservations are a must. Call by Tuesday, March 5 to Tree Crabtree at NWC ext. 3411, ext. 382; Al Barbee, 446-7671 or Bill Wilson, NWC ext. 3441.

Radar patrols still part of CLP chores

Motorists on board the Naval Weapons Center (NWC) are reminded that China Lake Police (CLP) officers enforce state and NWC traffic regulations.

According to Kerry B. Swigum, traffic manager, CLP Operations Branch, areas of concentration for radar traffic enforcement for next week are listed below.

- Friday -- Sandquist Road.
- Monday -- Randsburg Wash Road.
- Tuesday -- Blandy Avenue.
- Wednesday -- Inyokern Road.
- Thursday -- Lauritsen Road.

Violations may be cited at any time, and in areas other than the ones mentioned above.

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Agenda-Naval Weapons Center Cray Day
March 5, 1991

0800 Welcome by Bill Porter, NWC Technical Director

Time	Location	Speaker	Title
0800-0900	Base Theater	Dr. Jack Worlton	"The Once and Future Supercomputer"
0900-0945	Base Theater	Dr. Vijaya Shankar	"Supercomputing Trends for the 90's: Opportunities for Interdisciplinary Computation"
0945-1000	BREAK		
1000-1045	Base Theater	Doug Goodman	"Aerospace System Simulation"
1045-1130	Base Theater	Harold Dreibelbis	"Future Range Data Processing"
1130-1300	LUNCH		
1300-1430	Michelson Lab. Management Center	Dick Bland	"Network Supercomputing Demonstration"
1300-1430	Michelson Lab. 1000D Auditorium	Dr. Jack Worlton	PROGRAM MANAGERS SESSION-The Economics of Supercomputing"
1430-1445	BREAK		
1445-1530	Michelson Lab. 1000D Auditorium	Ken Dozier	"An Applied Visualization Center"
1530-1615	Michelson Lab. 1000D Auditorium	Doug Goodman	"CRI Massively Parallel Project"
1615-1630	Michelson Lab. 1000D Auditorium	Dennis Kelsch	"CRI Real-Time Initiative"

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NWC's Carpenter nominated for Bluejacket title

(Continued from Page 3) The Month and nominated for the Space and Naval Warfare Systems Command's Senior Sailor of the quarter.

excellence. . . He trained and qualified six highly talented and responsible ordnancemen while simultaneously supporting an aggressive flight schedule. Your involvement with the F/A-18 and A-6E aircraft armament systems resulted in unprecedented bombing accuracy."

Petty Officer Carpenter highly praises the work of his co-workers. "Our rate requires teamwork rather than individualism. After all it requires at least five personnel to load a 500 pound bomb," said the nominee. "My fellow workers are the ones that make me stand out as a supervisor and

they are the reason I'm a candidate today." In his free time Carpenter enjoys fishing. He's even crazy enough to load all the neighborhood kids up in a van and take them up to Mt. Whitney to enjoy the sport. He, his wife, Sally, and daughter Megan, are expecting a

new addition to the family sometime in May. The petty officer and his family are getting ready to transfer overseas to Japan with the *USS Independence*, homeported in San Diego, Calif., but forward deployed.

Navy League banquet held March 9

Six outstanding examples of military members who lead by excellence will be saluted by the Indian Wells Valley Council of the Navy League on March 9. The sailors honored are competing for the coveted title of Navy League Bluejacket of the Year. The annual banquet is being held at the Naval Weapons Center's Seafarer Club.

The night of Saturday, March 9, one of the six nominees will earn the Bluejacket title and the numerous award which accompany it.

In order to become a nominee in the competition each of the six was first honored by his or her own organization. The Naval Weapons Center Senior Sailors of the Quarter for 1990 and the Air Test and Evaluation Squadron Five (VX-5) Supervisors of the Quarter for 1990 take part. They are ranked among the best military members on board China Lake.

Because of transfers only six of the eight persons eligible for the award will be able to compete, three from NWC and three from VX-5.

Bud Biery will act as master of ceremonies for the events set in NWC's Seafarer Club starting with

a social hour at 6 p.m. Capt. Douglas W. Cook, NWC Commander, Capt. Raymond A. Kellett Jr., VX-5 Commanding Officer, Col. Jerry Agenbroad, MAD Commanding Officer and Bill Porter, NWC Technical Director, are scheduled to be special guests at the banquet designed to recognize the outstanding caliber of the men and women in uniform at China Lake.

The winner is selected by a committee of senior enlisted personnel from each command. Selection is made based on service record and board review of each candidate. The Bluejacket of the Year is not known until announced on the evening of the award.

In addition to the recognition and a plaque, the winner will receive cash awards and other gifts donated by Indian Wells Valley businesses and individuals.

Admission to the banquet and award presentation is \$15 per person. To make reservations call Linda Smith at 375-7859 or send a check care of DCS, 119 S. Gold Canyon, Ridgecrest, Calif., 93555.



TURNING GOLD TO SILVER -- Cdr. Craig T. Cuninghame, wife, Wilda, and children, Cain, Kyle, and Cole, join VX-5's Commanding Officer, Capt. Raymond A. Kellett, in the captain's office to frock the new commander.

Personnel News

Promotional opportunities

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

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

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

Application materials are accepted, and blank forms are available, at the Reception Desk, Room 100, Human Resources Department, 505 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 Weapons Center is an Equal Opportunity Employer; selections are made without discrimination for any non-merit reason.

Notice Regarding Drug Testing Designated Positions

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

No. 24-001, Firefighter (Instructor) DG-081-3/4, Code 242 - This position is located in the Fire Division of the Safety and Security Department. The incumbent is responsible for the development, coordination, and implementation of the Fire Division training activities. As Training Officer, duties will include developing Lesson plans, maintaining training records, determining training course requirements, administering the division training program, and conducting training classes and sessions for the division as well as Center personnel. **Job relevant criteria:** Knowledge of fire prevention, fire protection, and fire fighting methods and techniques; Knowledge of fire fighter training requirements; Ability to instruct others; Ability to communicate in writing; Ability to communicate orally. Promotion potential, DG-4, but not guaranteed. **THE PERSON SELECTED FOR THIS POSITION WILL BE SUBJECT TO URINALYSIS TESTING FOR USE OF ILLICIT DRUGS. SEE "NOTICE REGARDING DRUG TESTING DESIGNATED POSITIONS" IN "PROMOTIONAL OPPORTUNITIES" BOX ABOVE. THIS IS AN OBLIGATED POSITION.**

No. 24-006, Firefighter, GS-081-5B, Code 242 - this announcement will be used to establish the promotion register for Firefighter, GS-081-5B, which will remain in effect until March 1992. Duties include driving and operating structural pumps and any type crash fire trucks, responding on ambulance calls as either driver or attendant, inspection of Center's buildings and property and conducting training classes for trainee firefighters. **Job Relevant Criteria:** Knowledge of locations (streets, water distribution, alarm/detection systems, building content and layout etc.); knowledge of firefighting; ability to operate firefighting apparatus and equipment, structural pumps, crash fire truck, pumping systems, nozzles, rescue equipment; ability to direct (proper use of gears, clutch, brakes, and demonstrated safe, smooth, effective operation of vehicles); ability to carry out assignments with minimal supervision. **SUPPLEMENTAL QUALIFICATION STATEMENT REQUIRED. THE PERSON(S) SELECTED FOR THIS POSITION WILL BE SUBJECT TO URINALYSIS TESTING FOR USE OF ILLICIT DRUGS. SEE "NOTICE REGARDING DRUG TESTING DESIGNATED POSITIONS" IN "PROMOTIONAL OPPORTUNITIES" BOX ABOVE.**

No. 27-011, Supervisory Interdisciplinary (Electronics Engineer, Electrical Engineer, Computer Scientist, Mathematician), DP-855/850/1550/1520-3/4, Code 271 - This position is that of Head, Communications Division, Code 271. The Communications Division is primarily responsible for the life cycle management (LCM) of the Center-wide Integrated Communications System (ICS). This LCM responsibility includes the planning, analysis, definition and coordination necessary to specify, procure, design, integrate and

operate communication systems and their associated voice, data and image/video networks. The Division also assists in liaison, coordination, and planning with internal and external NWC organizations in support of joint Navy Laboratory communication programs, and is responsible for the liaison, coordination, and planning with internal NWC organizations and external organizations [e.g., SPAWAR, NAVCOMTELCOM, DASN (IRM)] to support Navy communication programs. The prime function of this position will be to manage and coordinate activities to provide: network QA/CM and security; corporate network facilities; analysis, design, implementation, documentation, and maintenance of voice, video, and data networks; project planning and contracting for corporate communications equipment and services including the Center Telecommunications System and Video Teleconferencing; and administration of communication systems contracts. **Job relevant criteria:** Knowledge of affirmative action principles, including a willingness to implement EEO practices; knowledge of Navy acquisition/contractual policies and procedures; ability to plan, organize, coordinate, and manage multiple technical projects; knowledge of communication systems including hardware and software; knowledge of existing communication standards and developing standards such as SONET, ISDN, FDDI; knowledge of gateways, LANs, bridges, digital switches, and fiber optics; ability to effectively deal with contractors and vendors; ability to communicate well, both orally and in writing. The incumbent must be able to obtain and maintain a Secret clearance. Must serve one year supervisory probationary period if not previously completed. Promotion potential to DP-4, but not guaranteed. Previous applicants need not reapply.

No. 27-013, Supervisory Electronics Technician, DP-856-3/4, Code 271 - This position is that of Head, Communications Division, Code 271. The Communications Division is primarily responsible for the life cycle management (LCM) of the Center-wide Integrated Communications System (ICS). This LCM responsibility includes the planning, analysis, definition and coordination necessary to specify, procure, design, integrate and operate communication systems and their associated voice, data and image/video networks. The Division also assists in liaison, coordination, and planning with internal and external NWC organizations in support of joint Navy Laboratory communication programs, and is responsible for the liaison, coordination, and planning with internal NWC organizations and external organizations [e.g., SPAWAR, NAVCOMTELCOM, DASN (IRM)] to support Navy communication programs. The prime function of this position will be to manage and coordinate activities to provide: network QA/CM and security; corporate network facilities; analysis, design, implementation, documentation, and maintenance of voice, video, and data networks; project planning and contracting for corporate communications equipment and services including the Center Telecommunications System and Video Teleconferencing; and administration of communication systems contracts. **Job relevant criteria:** Knowledge of affirmative action principles, including a willingness to implement EEO practices; knowledge of Navy acquisition/contractual policies and procedures; ability to plan, organize, coordinate, and manage multiple technical projects; knowledge of communication systems including hardware and software; knowledge of existing communication standards and developing standards such as SONET, ISDN, FDDI; knowledge of gateways, LANs, bridges, digital switches, and fiber optics; ability to effectively deal with contractors and vendors; ability to communicate well, both orally and in writing. The incumbent must be able to obtain and maintain a Secret clearance. Must serve one year supervisory probationary period if not previously completed. Promotion potential to DP-4, but not guaranteed. Previous applicants need not reapply.

No. 27-012, Supervisory Communications Specialist, Communications Management Specialist, Computer Specialist, DP-393/391/334-3/4, Code 271 - This position is that of Head, Communications Division, Code 271. The Communications Division is primarily responsible for the life cycle management (LCM) of the Center-wide Integrated Communications System (ICS). This LCM responsibility includes the planning, analysis, definition and coordination necessary to specify, procure, design, integrate and operate communication systems and their associated voice, data and image/video networks. The Division also assists in liaison, coordination, and planning with internal and external NWC organizations in support of joint Navy Laboratory communication programs, and is responsible for the liaison, coordination, and planning with internal NWC organizations and external organizations [e.g., SPAWAR, NAVCOMTELCOM, DASN (IRM)] to support Navy communication programs. The prime function of this position will be to manage and coordinate activities to provide: network QA/CM and security; corporate network facilities; analysis, design, implementation, documentation, and maintenance of voice, video, and data networks; project planning and contracting for corporate communications equipment and services including the Center Telecommunications System and Video Teleconferencing; and administration of communication systems contracts. **Job relevant criteria:** Knowledge of affirmative action principles, including a willingness to implement EEO practices; knowledge of Navy acquisition/contractual policies and procedures; ability to plan, organize, coordinate, and manage multiple technical projects; knowledge of communication systems including hardware and software; knowledge of existing communication standards and developing standards such as SONET, ISDN, FDDI; knowledge of gateways, LANs, bridges, digital switches, and fiber optics; ability to effectively deal with contractors and vendors; ability to communicate well, both orally and in writing. The incumbent must be able to obtain and maintain a Secret clearance. Must serve one year supervisory probationary period if not previously completed. Promotion potential to DP-4, but not guaranteed. Previous applicants need not reapply.

A Desert Storm Family Support Group has been started at the Navy Counseling Center, 1907 Mitcher Rd., on base. The group meets Fridays from 7 to 9 p.m. For more information call Esther at NWC ext. 3609.

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Phase I of project reviewed

(Continued from Page 15)
 "The gym continued for the next 45 years as a center for all kinds of purposes. It was a social gathering center because all of our military and civilian people on the base back in those days were very much a part of a single community and used the gym exclusively for their own purposes . . . it is a real center of social activity, as well as a center of physical fitness and recreation."

About five years ago Center leadership decided it was time for a major change, which would come about in the form of refurbishing the old facility. "In the Sixteenth Century, Oliver Cromwell said something like 'he who stops getting better stops being good.'" Cdr. Williams said. "I think we can probably say that about the gym, and that is the key the leadership of the Center took in trying to find a way to making it a better facility, therefore keeping it a good gymnasium for us all to enjoy."

The Engineering Division of the Public Works Department was tasked with the job of hiring an architect engineering firm to develop a master plan. Teams of architects and engineers came in and studied the building to put together a multi-phase construction program for the building that over the next several years would improve its usability. "What you are going to see as you walk through this building today are the fruits of the Phase I efforts," Cdr. Williams said. "It cost more than one and a half million dollars, but it was a starting point and I think the efforts were well worth the money."

Cdr. Williams reminded the attendees that there were still several other programs that have been laid

out by the master plan, including the removal of the rental maintenance yard to the southeast corner of the gymnasium, converting the old steam plant, which is the southern-most appendage of the gym, to a multi-purpose playing court, and construction of a volleyball court, thus freeing up the basketball court for basketball. Other future improvements include upgrading the indoor pool, construction of an outside wading pool, and reconstruction and repair of the roof to redesign eaves for additional men's locker room space. "There's lots of things in the mill left to do to make this the facility we think it ought to be," noted Williams. Approval for work to begin on Phase II the beginning of the next fiscal year has already been received, he added.

Capt. Cook noted that while he had to set some policies, including a pricing policy, he wants customers who have ideas they would like to see incorporated to contact Elaine and her staff. "Those that make sense and which we are able to accommodate, we'll certainly make every effort to do so," he said. "I want you to note that this facility is for the customers -- the sailors, marines and Department of Defense civilians in their utilization, their wellness and their pleasure," said Capt. Cook. ". . . It is for you, the customers, to let us know how we can make it better for you. . . I challenge you to point out where things aren't right -- if the locks aren't working, the faucets don't work or there's a leak somewhere. Please take the time and the ownership in this facility to let Elaine and her staff know about it so we can get forth in a timely manner to repair it and preserve the fine facility we have here today."

CLTC plans annual membership party

Attention all tennis players, experienced and unexperienced! The China Lake Tennis Club's annual membership party will be held on March 8 at the Heritage's Flight Deck starting at 6:30 p.m.

Club fees are \$15 per family, \$10 for singles and \$5 for students. After March 8, fees are \$2 higher. People who are unable to attend the party, but would like to join the club should send their check to C.L.T.C., P.O. Box 1530, Ridgecrest, CA 93555. Be sure to include your name, address and phone number.

ASA Umpires Clinic scheduled for March 3

On March 3, an American Softball Association Umpires Clinic will be held at Burroughs High School at 9 a.m. Men, women and high school-age students are encouraged to attend. Cost of the mechanics clinic is \$10, to become a registered ASA softball umpire, it will cost \$22 extra. Liability

and medical insurance is included in being a registered softball official.

Anyone who would like to become an ASA umpire should call Mikel Tosti, ASA deputy umpire-in-chief for Southern California at 375-9748 after 4:30 p.m.

Action fast, scores even in NWC youth basketball

In last week's games of the Naval Weapons Center Youth Basketball League, action was fast paced and scores relatively close, causing excitement and suspense for players and audience. The league, which plays Friday and Saturday at the NWC Youth Center, only has two more weeks before the end of the season.

Division I Rockets 16, Suns 13

While Rory O'Neil led the Suns to a super comeback with seven points in last week's game, it wasn't enough to defuse the Rockets. Dirk Spoons dunked in three points while Fritz Van der Houk slammed in two points and Glen Cardoza one in the loss. The Rockets did not turn in a score sheet.

Division II Bulls 71, Clippers 30

Peter Greedy's 33 points and 13 rebounds gave the Bulls a decisive edge. Twelve points each by Jason Bull, Jimmy Miller and Matt Galyardt and two points by Mike Keller gave the team an easy victory. Despite defensive efforts by Cameron McCullon and Kenny Thompson and accurate throws by Erik Johnson, Willie Eichenberg, Will Collier and Ray Hyles, the Clippers couldn't stop the Bulls.

Jazz 47, Rockets 38

Seventeen points by Jason Hiatt and 15 by Jason Vanderslice gave the Jazz enough momentum to outshake the Rockets. Anthony Pfau, Patrick Goodman, Chris Walters and Zach Woydziak also scored in the win. While Jamie Rugg's and Mark Norlund's 26 points (13 each) and 10 points by Darren Hodge weren't enough to win the game, it made for an exciting match. Mark Ogren dunked in the Rockets' other two points.

Spurs 48, Mavericks 37

Despite outstanding shooting by Bryan McCollum, Michael Bachman, Sam Elson, Aaron Bailey and Justin Nelson, the Mavericks couldn't halt the Spurs in the evenly matched game. The Spurs did not turn in a score sheet.

Division III

Lakers 79, Kings 32

The Lakers had a scoring explosion led by Brooke Fryar, who slammed in 32 points and Andrew Huston, who dunked in 20 points for a commanding lead. Jay Norlund, Chris Maki, Jimmy Hutmacher, David Sutherland and Sommai Otto added to the victors' score. The Kings did not turn in a score sheet.

Pistons 53, Celtics 42

With only three players scoring, the Pistons triumphed over the Celtics. Daniel La-Hage tossed in 13 field goals (for a total of 26 points), while Daniel People racked up 8 field goals. The third scorer was Andrew Dubois, who tallied five field goals. The Celtics did not turn in a score sheet.

Barber: Navy Meritorious Civilian Service Award presented

Optics, missiles and aircraft systems, Stephen Barber has more or less seen it all in 30 years at the Naval Weapons Center. Recently, all the years of service came to a head when he was presented the Navy Meritorious Civilian Service Award. This is the top honor the NWC Commander can approve for a civilian employee at China Lake.

Barber has been busy in the research and development community and as a program manager in systems ranging from high-powered CO₂ lasers to Sparrow AIM/RIM-7M missile and from ACIMD/AAM missile to the A-6E Weapon Systems Support Activity (WSSA). As Ed Kutchma, head of Aircraft Weapons Integration Department said in the nomination letter for Barber, "He has performed in a clearly exceptional manner. . . and has played key roles, technical, managerial and leadership, in some of the Navy's major missile and aircraft weapons system program."

Capt. Douglas W. Cook, NWC Commander, in his commendation letter to accompany the award said, "during over three decades of service, your contributions have furthered the Center's reputation to technical excellence."

Since 1973 he has been a supervisor, starting as head of the former Airborne Optical Devices Branch. Since then he has proved his value and demonstrated his expertise in a wide range of supervisory roles, the latest of which has been as deputy program manager for the A-6E WSSA. In this role, noted Kutchma in his nomination letter, Barber is "responsible for all of the financial and contractual aspects of a program with an annual budget of over \$20 million."



DIRECTORY VOLUNTEERS--Capt. Douglas W. Cook, NWC Commander, saluted retired China Lakers who were instrumental in creating the NWC/NOTS Retiree/Alumni Directory. Those honored by Capt. Cook included (from left) Don Yockey, Bob McKenzie, Louise Mitchell and Jean Rollingson. Missing was John DiPol. TID Photo

Retiree/Alumni Directory idea brings out volunteer workers

Early in 1985, a small group of former Naval Weapons Center (NWC) employees thought it would be a good idea to develop a retiree directory for military and civilian employees who had retired from the Naval Ordnance Test Station (NOTS) or NWC. After several levels of official approval, the initial NOTS/NWC Retiree Directory was issued, listing 377 names of retirees who lived within 100 miles of Ridgecrest.

Last week, the small group got special recognition for their creation and their continued efforts at building the directory. Capt. Douglas W. Cook, NWC Commander, presented them with certificates of appreciation in a ceremony held in the NWC

Headquarters Building. Bill Davis, retiree affairs officer, noted the fourth update of this directory was issued last July and contained more than 1,000 names of retirees and alumni, from throughout the United States.

There has been steady growth in the directory since 1985. The initial 377 names became 523 in 1986, went to 680 in 1988 and 897 in 1989. Davis expects the next version to have more than 1,100 names and addresses of former China Lakers.

The certificates presented by Capt. Cook went to Don Yockey, Louise Mitchell, Jean Rollingson, Bob McKenzie and John DiPol.



TOP AWARD--Stephen Barber receives his award from Bill Porter, NWC Technical Director.

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CTS uses fiber optics system

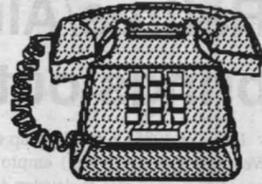
CTS Uses Fiber Backbone

To provide the best communications available, the CTS will use Fiber Optic Trunk System (FOTS) fibers for switch-to-switch connectivity. The CTS contract stipulates that a number of fibers are reserved for the CTS and that the Contractor (CASI) is required to use them. The Main Site switch, which will be located in a new building near Building 00002, will be connected with eight remote switches located in various population centers at NWC. The fibers being used run from Building 00002 through the FOTS Hub in Michelson Laboratory to Building 70049 at EWTES, Building 25010 at SNORT, Building 20151 at the Airfield, Building 31433 (Thompson Lab), Building 32544 at the Ground/Air Ranges, Building 10705 at CLPL, and Building 16079 at Salt Wells. Using the FOTS allows for a redundant transmission path from the Main Site switch to the Airfield switch and ensures that service will continue if a switch fails. Any extensions to the FOTS will be made with similar fiber to ensure com-

patibility. Currently, NWC engineers John Mooney and John Badgett, CASI technical support specialist Bill Ferguson, and CASI inside plant engineer Brad Rolfness are testing the fiber to ensure that it is in prime condition for the next stage of CTS implementation--the inside and outside cable plant installation. **Telecommunications Administration System**
A critical, but unseen by the users, part of the new CTS is the Telecommunications Administration System (TAS). This system will handle every aspect of the CTS administration from processing service requests to configuration management. Service requests such as moves, adds, and deletions will be handled quickly and be more carefully tracked. In many cases the physical changes may be made by the user and implemented by a simple computer command by CTS administration personnel. The telephone directory information will be updated automatically as changes are made to the TAS data base, and will be available to the users via the on-line, read-only directo-

ry. Billing will be more flexible by allowing more than one job order per department. Trouble calls will be tracked to completion to ensure that problems are corrected as soon as possible. The TAS will track all CTS equipment--from the telephone on your desk to the wiring pairs your telephone uses to the switch to which your telephone is connected. CASI personnel and equipment will be temporarily moving into Building 00002 the first week in March so work can begin on building the TAS data bases.

If you have any questions about these or any other topics related to CTS, call Nancy Guglielmo, Code 2712, NWC ext. 1132.



NUMBER ONE -- Betty Miller, Wellness Program coordinator, presents a plaque to LCdr. Richard Titi, officer-in-charge, Branch Medical Clinic. The Clinic scored the highest number of participation points the the China Lake Challenge for the second year running. Photo by PH3 Cary Brady

Center Library offers information to help taxpayers

A variety of materials has been furnished to the Center Library by the Internal Revenue Service to help taxpayers prepare their federal income tax forms. Also available is the IRS publication 1132, which contains more than 90 reproducible tax forms that can easily be photocopied. Further information and assistance can be obtained through the IRS office in Bakersfield.

Sports

Ceremony marks long-awaited day Rehabbed gym officially opens



After being closed one year and eight months, the Naval Weapons Center's Gymnasium officially opened for business on Tuesday with a ribbon cutting ceremony, tour of the newly rehabbed building and refreshments provided by the Morale, Welfare & Recreation Division. Capt. Douglas W. Cook, NWC Commander, and Cdr. James R. Williams, Public Works Officer, talked to the attendees about the building's history, efforts it took to bring the gym up to today's standards and future plans for continuous improvement of the facility.

"To get this facility back in operation took a lot of work by a lot of people," said Jim Bowen, MWR director. Elaine Arnell, Sports Branch manager, her assistants Karen Rivers and Michelle Martin and the MWR maintenance crew, led by Jim Cantrell, were given special recognition by Bowen for their efforts in making the grand reopening possible. We are still discovering problems here and there, but they are being taken care of, noted Bowen.

"This day is long overdue," said Capt. Cook. "I appreciate the patience of all our team members here -- the sailors, marines and Department of Defense civilians. You were most patient. This was a difficult time, I know, for you to wait so long and then to see the contractor default and have to go back through the process of getting the funds in which our MWR teams and PW worked very hard in doing. It was not an easy task."

Capt. Cook personally thanked the Stevens Construction firm, who "jumped in there and progressively pursued bringing this gymnasium to the opening we have today. It is good to see you can get a contractor of quality."

Building 22, more commonly known as the NWC Gymnasium, noted Cdr. Williams, was one of the first building constructed on base. It was built in 1944. "Its early beginning was as a training tank for pilots," the Public Works Officer explained. "They would bring those guys (the pilots) in here and hook them up with pulleys and ropes and hoist them up to the ceiling and drop them down from the rafters into the water. I understand it was the only place they could do that on the base, except for the sewage treatment plant, and they voted and decided to do it here."

(Continued on Page 16)

THE BIG DAY HAS ARRIVED -- Capt. Douglas W. Cook, NWC Commander; Elaine Arnell, Sports Branch Manager; and Cdr. James R. Williams, PW Officer cut the ribbon signaling the official reopening of the NWC Gym, which had been closed for refurbishing. Photo by PH3 Cary Brady

Warm days aids fishing in the Sierra

Spring has come early to the Eastern Sierra. According to the Bishop Chamber of Commerce, instead of skiers walking the streets and gliding down the mountain, inhabitants of Bishop are seeing lures suspended from floppy hats on the heads of some very smart fishermen.

Warm days are making fishing the open waters of Pleasant Valley Reservoir and the Owen River a

spectacular experience for February. The hustle and bustle of summer is a long way off and those familiar with the Eastern Sierra are taking advantage of this quiet time in Bishop.

Thanks to plantings of trophy stock in October and December of last year by the Department of Fish and Game, fishing is extremely good and promises to continue into the spring.

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MWR

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est price possible. Sea World is also offering a special discount. Every weekend from now through May 31, and daily April 1-14, enjoy the magic of Sea World for only 11.95 for adults and \$8.95 for children (3-11 years of age). To pick up your tickets, stop by Crafterch today!

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Ship out and save \$\$\$\$! From now through April 27, SATO Travel can arrange 7-10 day cruises through the Caribbean by the Royal Caribbean Cruise Lines at extremely low prices! Enjoy a 10-day cruise for a 7-day price! Visit Barbados, St. Lucia, St. Martin, St. Thomas, Jamaica, Cozumel, Grand Cayman and LaBadee. For more information, call SATO Travel at 446-7751.

Get rid of those extra pounds!

Still have those holiday extra pounds? What? They aren't from the holidays? Get moving and join lunchtime aerobics at the Gymnasium Annex on Mondays, Wednesdays and Fridays March 4-29. Work out from 11:45 a.m. to 12:30 p.m. and lose those pounds -- or just firm up. Cost for the month is \$18 for military, \$24 for DoD and \$30 for all others. Daily fees are \$2 for military, \$2.50 for DoD and \$3 for others.

For more information, or to register, call the Sports Branch at NWC ext. 2334.

Gift certificates expire March 31

Recently, an NWC audit revealed that numerous MWR gift certificates have been issued but not redeemed. In order to rectify this audit finding, all MWR gift certificates must be redeemed by March 31. MWR gift certificates not redeemed by that date will become void.

For further information, call Elaine Arnell, NWC ext. 2334.

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Austin:

(Continued from Page 1)

After convincing himself, it became necessary to convince the Navy the potential was worth exploring. This took until 1977. The opposition, and there was a lot of it, claimed there was no resource to develop, but even if there was, the Navy wouldn't want anything to do with it because of conflict with range use and related mission problems.

From 1977 to 1979 the effort focused on getting industry to work with the Navy. It was difficult finding a firm to work with the Navy, but when California Energy Co. had to leave Nicaragua and a geothermal project down there, they got interested and signed a contract with the Navy.

The next big hurdle was getting the financial community to work with Cal Energy and the Navy. In the end, private financing invested \$615 million to developing Coso to its current state. Today, he brags, contractor income from energy sold is about \$1 million a day and the Navy's income is about \$1 million a month.

The first well was drilled in 1981, ground was broken for the first power plant in 1986 and electricity was delivered to the Southern California Edison grid on July 15, 1987. Now there are nine turbines on line in Coso, six of them on Navy leases and three on BLM leases.

One of his proudest days for the project was when Edison's feed into the valley went down and the only Coso turbine then in service carried the load for NWC, Ridgecrest and the valley, without a black-

out until Edison could get back on line

Was the project controversial? You bet! A lot of money was at stake. Doc was the subject of two Jack Anderson columns, both of which were proved wrong, and all sorts of people wanted a piece of the pie once it was evident Coso was going to be successful.

Asked if it was difficult to push the project through, Doc says, "It was like pushing a boulder up an incredibly steep hill. You have to make sure it doesn't roll back down the hill and crush you."

Doc takes great pride in showing development of geothermal has not had an adverse impact on range use. "We kept total control of access and control of the land and prevented the potential problem from becoming one," he commented.

It is a large project, the largest tax-source for Inyo County and it's likely to get bigger. It has the potential, in Doc's view, of becoming the largest geothermal energy project in the world. "I take tremendous satisfaction personally in creating jobs for people. It's estimated this project is currently generating about 800 jobs in the region, from Bishop to Bakersfield, that based on each heavy construction job creating about four paychecks."

The red suspenders were the uniform of the night as Austin was saluted (roasted) at a retirement party marking the end of 30 years and two days of a stellar career at China Lake. This trademark was imitated by many of those attending the retirement party last Thursday including Bill Porter, NWC Technical Director.

Among people making presentations honoring Austin were Dick Boyd, head of

the Range Department and Roy Parris, head of the Safety and Security Department, who flashed a pair of red suspenders himself. Also speaking were Pierre St. Amand and Gene Edwards, introduced as the grouchiest person at NWC, and the official photographer for the Coso project. Kern County Sheriff Carl Sparks was on hand to present a certificate to Austin as well. He described Doc as a legend and noted you can't put a price on the lives saved because of Doc's work with the Indian Wells Valley Search and Rescue Team.

Tomorrow (Friday) is the official retirement date for Doc Austin. In the final week with the Navy he said there was still a year's worth of work to be completed.

What's ahead? "I'm going to fix up the ranch first. Since 1986 I haven't had time to keep it up." His wife, Barbara, will see him more than she has in years, even though he usually managed to come home from travel for weekends.

Then he's going to do some serious mining, prune fruit trees, finish fixing the roof on the chicken coop, do some row crop farming and get serious about his sideline business of buying and selling rare minerals, especially those he can get several dollars a pound for from museums.

Doc hasn't been fishing, hiking or packing in the Sierra for years, but he plans to change that too. While he has no great desire to go in for a lot of consulting work, he will keep those options open. There still won't be enough hours in the day or days in the week to do all he wants.

A longer-term project is building a new ranch, his fourth. This one will be different. First it's going to be bigger, at least a

section of land. Second, among the requirements is running surface water, a lot less blowing dust than the Indian Wells Valley has and a place where he won't have a constant battle with tumbleweeds.

Since coming to China Lake in 1961, at the urging of people such as John Pearson, Al Gould Sr. and Bud Sewell, Doc has lived by the philosophy that "if you take the money you ride for the brand!" He would argue his case and his cause, but once the decision was made, Doc was a Navy man through and through.



AWARD--Carl Austin receives the Navy Superior Civilian Service Award from Capt. Douglas W. Cook.

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Recycling effort grows

"When in Doubt, Don't Throw it Out"
The Naval Weapons Center has a goal to double paper recycling within the next six months. According to "Tree" Crabtree, NWC Recycling Program manager, this is a modest goal. "If you look at what we are hauling to the dump now, you would agree we could increase paper recycling by ten times, and we already have a program to recycle all paper except paper towels and tissues."

OPNAVINST 5090.1A and California Assembly Bill No. 939 require the Center to sort solid waste and reduce the volume of trash by 50%. "Before we implement new programs, we want to perfect our existing programs. Increased recycling of paper is our first target because it involves everyone," added Crabtree.

The Employee Service Board (ESB) currently manages the paper recycling under a contract with the Indian Wells Valley Association for Retarded Citizens (IWWARC). IWWARC picks up collected paper at designated collection points around the Center. They then use the sorting and handling of these materials to train their clients with employable skills. ESB receives a percentage of the revenues from paper sales which is used for MWR.

It appears that many Center employees are either not aware of this program or do not realize the scope of material that can be collected. According to Sam Brown, Recycling Supervisor for IWWARC, they can handle all paper except hygiene items like tissues, napkins, toilet paper, and paper towels. "We need to have a high percentage of computer paper or white ledger (bond) paper in order to justify shipping other materials, and it helps if the material is segregated, but really we can take all paper. This includes newspaper, colored paper, package wrapping, used cartons, other cardboard, magazines, and even shredded paper."

Tree says the next step is to refine how paper is collected at the individual desks and then deposited at the pickup points. Two ideas being discussed are to have distinctive paper collection containers for every desk or to have wastebaskets with compartments - one for rubbish and the other for paper.

Tree seeks comments on these ideas. You can reach him at E-Mail at SCF::TREE, guard mail to Code 00814, or call NWC ext.

Safety Sense: VDTs and your health

SAFETY SENSE--The use of Video Display Terminals (VDTs) has revolutionized the workplace by automating many office procedures. With increased use of VDTs, there has also been an increased concern expressed among user, about the possible hazards associated with routine use of terminals.

Some users of VDTs have expressed concern over exposure to electromagnetic radiation. Pulsed electric and magnetic field are emitted by computer display monitors and some studies have indicated exposure to relatively low levels of electromagnetic fields has been linked to adverse health affects. Typically, concerns are focused on female reproduction, specifically, miscarriages and birth defects among VDT users.

Results of studies so far have proven inconclusive. For example, in a study conducted in 1980-81, Spanish researchers showed when chicken eggs were exposed to weak electromagnetic fields, nearly 80% of them developed abnormally -- malformations of the nervous system being particularly prevalent. Later, Professor Arthur W. Guy, director of the Bioelectric Research Laboratory, University of Washington, pointed out the weak magnetic field pulses used by the Spanish researchers were not the same type of pulses emitted by a VDT, therefore Professor Guy concluded there was no valid evidence monitor emissions posed any health hazard.

A study conducted at the Northern California Kaiser-Permanente Medical Care Program found clerical and administrative personnel who used VDTs more than 20 hours a week during the first trimester of pregnancy were almost twice as likely

to have a miscarriage as women who did not. Upon further investigations, electromagnetic energy emissions did not appear to be the culprit, rather the general working conditions of the employees. Literature reviews of studies on the topic suggest only one definite conclusion -- evidence is inconclusive whether or not VDTs pose a health risk to anyone.

Recommendations to reduce any possible hazard associated with VDT use are relatively simple. To limit electromagnetic field exposure, employees who spend a great deal of time in front of a computer terminal should maintain a distance of at least four feet from the sides or back of any monitor, since considerably stronger energy is emitted from these areas. In this regard, the work station layout should be designed to avoid collateral exposure.

Although the electromagnetic field emitted from the front of the computer screen is significantly lower, its still recommended users stay an arm's length (about 24 inches) away from the display screen. At this distance, any exposure in greatly reduced. It is also recommended that VDT users limit the time spent working in front of a VDT on any given shift to minimize exposure chances.

Finally, use of a radiation attenuation screen or filter may help limit exposure levels. There has been some controversy over their true effectiveness. Usually, these screen do function to reduce the glare and some of the electric field emitted, but cannot block the electromagnetic field emissions.

Working on a VDT can be physically stressful, but it doesn't have to be. This will be addressed in another article. *by the Safety Program Office*

Black History Month at NWC

(Editor's Note: This is the final installment of a three-part article, reprinting a talk NWC's Ricky Parks gave on Black History at the Maturango Museum.)

"On June 7, 1863, at Milken Bend, 1400 Union soldiers, the remains of two white companies and three black regiments took the brunt of a charge from 1500 Texans. In combat, marked by horrible blood shed, the Union soldiers prevailed. After the battle, Capt. M.M. Miller wrote, 'I never more wish to hear the expression niggers won't fight.' Bravery of the Blacks in the battle of Milken Bend revolutionized the sentiments of the Army."

"Another legacy of the fatal charge of the 54th -- government insensitivity to the political implications of consigning Black soldiers to slaughter -- contributed to one of the bloodiest and most bizarre blunders of the war. Five days after the Union's failure to take Petersburg, Lt. Col. Henry Pleasants, former mining engineer, offered a daring plan to tunnel under the rebel lines and set off a huge blast of dynamite.

"A 510-foot tunnel, one of the longest of its kind ever dug, was created by troops of the 48th Pennsylvania Infantry. On July 27, 1864, its two 40-foot lateral galleries beneath rebel lines were loaded with four tons of fused and tamped gunpowder. Maj. General Ambrose Burnside's four divisions were chosen as shock troops to take advantage of the general chaos that would be created by the blast. General Burnside in turn selected General Edward Ferrero's Black 4th Division for special training; however,

er, these men were new and untested in battle.

"When the explosion went off, the resulting destruction was beyond anyone's expectations. The fort was blown apart, stones, timber, legs, guns and bodies rained back into the dust-filled, sulfurous crater, 170 feet long, 80 feet wide and 30 feet deep. Brig. Gen. James Ledlie, who had been chosen to lead the men into the crater after the explosion, was back in the medical tent drinking. By the time the Black 4th Division was sent forward, the Confederates recovered and were mounting a counter attack. The 4th was caught in withering fire and many fell into the crater due to wounds or for protection. The Confederates followed the 4th down into the crater and killed wounded Blacks who were trying to surrender. It was asserted White Union soldiers bayoneted Union Blacks to save themselves from Confederate vengeance. When the smoke cleared, the Union lost 3,798 men.

The bravery and tenacity of the Black soldier dispelled the myth that Blacks would not fight

"According to George Kilmer, a white artillery-man, 'men boasted in my presence that Blacks have thus been disposed of.' A lengthy court of inquiry confirmed that the 4th Division had lost far more men than the White divisions. White soldiers' killings of Blacks was never looking into."

"There are many more battles I could cover the courage and

devotion Black soldiers exhibited during the Civil War. The bravery and tenacity of the Black soldier dispelled the myths that Blacks would not fight; that Blacks would rape and pillage because they could not be disciplined; that Blacks lacked the intelligence to understand military objective or would run at the first sound of gun fire.

However, I believe the biggest myth these soldiers dispelled was the belief that Blacks were not Americans and would not die for their country's cause. The destruction of this myth was eloquently stated by General Butler after the battle of New Market Heights. Black soldiers had been ordered to remove the nipples of their guns so they could not fire them. (White officers believed that stopping to shoot might slow the momentum of the charge.) Nine Black regiments victoriously charged a Confederate force at bayonet point and sustained 1,000 casualties. After the victory, Gen. Butler wrote, 'In a space not wider than a clerk's desk and three hundred yards long, lay the dead bodies of 543 of my colored comrades. And as I looked on their bronzed faces upturned in the shining sun, as if in mute appeal against the wrongs of the country for which they had given their lives, whose flag had only been to them a flag of stripes, on which no star of glory had ever shone... with the bayonet you have unlocked the iron-barred gates of prejudice, opening new fields of freedom, liberty and equality to yourselves and race forever.'"

By Ricky Parks

Wellness Corner



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What is atherosclerosis?

Arteriosclerosis is a general term for the thickening and hardening of arteries. Some hardening of arteries normally occurs when people grow older. Atherosclerosis, a type of arteriosclerosis, is characterized by deposits of fatty substances, cholesterol, cellular waste products, calcium and fibrin (a clotting material in the blood) in the inner lining of an artery. The resulting buildup is called plaque.

Plaque may partially or totally block the blood's flow through an artery. Two things that can happen where plaque occurs are: (1) bleeding into the plaque, or (2) formation of a blood clot on the plaque's surface. If either of these occurs and blocks the entire artery, a heart attack or stroke may result.

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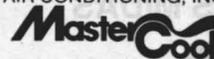
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