

Compu Chatter

New virus discovered

A new virus has been discovered June 30, in two slightly different strains. The "T4-A, T4-B" virus affects all types of Macintosh computers. These were included with the game application GoMoku, versions 2.0 and 2.1.

When invoked, the virus attempts to alter the System file.

This alteration attempt will be noticed by the SAM antivirus program (and possibly by Gatekeeper, depending on settings). The alert message that is displayed indicates that "Disinfectant" is trying to make the alteration—whether Disinfectant is installed on the system or not. This is evidently an attempt to fool users into approving the modification attempt, thus allowing the virus to infect.

The change to the System file results in alterations to the boot code under both Systems 6 and 7. The damage may render some systems unbootable, but

will usually result in INIT files and System extensions (respectively) not loading.

The virus also attempts to modify application files on the system disk. These alterations may damage some applications by overwriting portions of

the programs with the virus code. These damaged applications cannot be repaired but must be reinstalled.

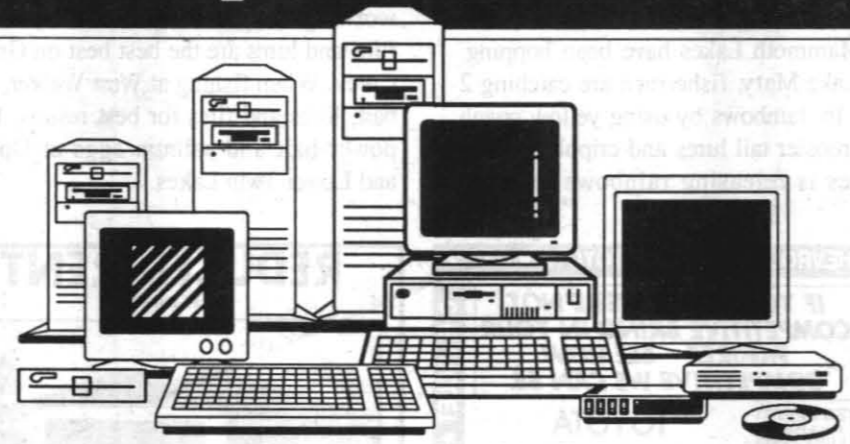
Once installed and active, the virus does not appear to perform

any other overt damage. At least one version of the virus may print a message when run after a certain number of files are infected by it. This message identifies the infection as the T4 virus.

Authors of all major Macintosh antivirus tools are planning updates to their tools to locate and/or eliminate this virus. Disinfectant 2.9 will be released soon and available free in the PC Lab.

The new virus, in two slightly different strains, affects all types of Macintosh computers.

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THE ROCKETEER

THURSDAY, JULY 9, 1992

NAVAL AIR WEAPONS STATION, CHINA LAKE

Vol. 48, No. 27



Photo by Terry Pascarella

CUBED—Earthquake activity is plotted, in real time, at the Geothermal Project Office by the Cal Tech U.S.G.S. Broadcast of Earthquakes (CUBE) System.

One theory connects local quakes to activity on San Andreas Fault

By Steve Boster
Managing Editor

Local scientists think the flurry of recent earthquake activity in the Indian Wells Valley may indeed be related to sizable quakes close to the San Andreas Fault more than a week ago.

Dr. Frank Monastero, head of the Geothermal Project Office in the Naval Air Weapons Station China Lake Public Works Department, says he finds strong evidence to support a theory connecting movement in the San Andreas Fault zone to activity in eastern California.

While no significant damage has been reported from more than a week's worth of earthquake activity, NAWS China Lake facilities and employees are at least a little shook-up.

A series of earthquakes in the 3.0 to 4.4 magnitude on the Richter Scale were epicentered under the Lone Butte area, better known as "B" Mountain. These tremors, combined with aftershocks from

last week's Southern California temblors, were the source of most shaking felt here. The latest significant earthquake was a 3.2 shaker at about 4:40 a.m. Monday.

More a case of lost sleep and worry about the "big one," than of real damage to buildings or contents, the week-long earthquake activity served, if nothing else, to make area residents aware of the potential dangers in the Indian Wells Valley.

Throughout California, and in particular along the major fault lines, people have been wondering if this unprecedented level of seismic activity was the prelude to the long-awaited and long-dreaded massive quake along the San Andreas Fault.

Monastero, talking about the connectivity theory, noted there is 12 millimeters difference between the average annual movement on the San Andreas Fault north of the so called "big bend" near San Bernardino and the area south of the

Please see **QUAKES**, Page 9

Reva Duggins earns rare recognition with superior civilian nod

By Barry McDonald
Editor

Receiving the Navy Superior Civilian Service Award is a rare occurrence and reflects exceptional achievement. Collecting the Superior Award before the usual prerequisite Meritorious Civilian Service Award and long before retirement is even more rare. But rare accomplishment is not new to Reva Duggins, the 13-year China Lake Laker who accepted the award June 11 from RADM. William E. Newman, Commander, Naval Air Warfare Center Weapons Division.

It is generally unheard of for people to start their careers at China Lake as GS-4s and make GS-12 in just six years; Duggins did that, too.

She shares the honor of receiving the Superior recognition with only one other China Lake woman, Dr. Peggy Rogers, who received it in 1966 and went on to receive the Distinguished Civilian Service Award, the top civilian accolade, in 1980. With more than half a typical civil service career left to complete, Duggins could join Rogers in that distinction as well.

The award came for Duggins' service as Electronic Counter-Countermeasures (ECCM) Requirements and Assessment Manual (ERAM) project manager.

She was nominated by Cdr. Dick Linthicum, head of the Electronic Warfare/ECCM Requirements Office (OP-944D). This is another rarity. Usually nominations come from within the activity from the individual's supervisor, not from Washington sponsors.

ERAM is a set of five documents being developed under the cognizance of VADM. Jerry O. Tuttle,

director for space and electronic warfare (OP-094) for Chief of Naval Operations. The documents will provide a tool for electronic systems designers that clearly states ECCM requirements throughout the research, development and acquisition (RDA) cycle. They are essentially a clearinghouse of information on the various electronic countermeasure (ECM) threats that certain types of new weapons can expect to encounter and a manual for specifying the counter-countermeasures to meet and beat those threats.

Praising Duggins in the citation accompanying the award, VADM. Tuttle (soon to become assistant CNO for air warfare (OP-05) wrote, in part, "An articulate spokeswoman, Ms. Duggins' expert presentation of the ERAM program to senior levels within the tri-service organizations resulted in the establishment and full funding of the program... Her tireless and dedicated efforts have provided the acquisition community with unique ECCM evaluation and decision-making tools that ensure systems survivability in any hostile environment."

ERAM development began because the Navy needed systems with good ECCM capabilities, but was not getting it consistently. A 1977 SECNAV instruction required all new systems to address ECCM.

But a 1986 study showed ECCM requirement statements were vague and ambiguous; in all phases of the RDA cycle sponsors found it hard to assess ECCM capability; and in many cases, only current electronic countermeasure (ECM) threats were being considered, without projecting what the threat would be when the system was fielded.

Please see **DUGGINS**, Page 5

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The Weather Report

	Max.	Min.	Gusts	Humidity
Wed	93	63	19	38-13%
Thurs	101	55	13	51-12%
Fri	101	64	20	-
Sat	104	69	33	-
Sun	106	70	25	14-11%
Mon	107	71	23	22-12%
Tues	99	76	22	38-17%

Most Eastern Sierra areas releasing limits to anglers

While fishing has slowed at Convict Lake and Bridgeport Reservoir, anglers aren't having any trouble catching their limits in other areas in the Eastern Sierra, notes a report from the Bishop Chamber of Commerce.

Near Big Pine, fishing in the Owens River has been good, with fishermen catching limits by using power bait and worms. Action has been very good at Big Pine Creek. The average size fish

being caught averages about 14 inches. Use salmon eggs and power bait.

Lake Sabrina and Intake 2, near Bishop Creek, are releasing plenty of newly planted Alper's fish.

Fishing has been excellent on the lake near Rock Creek. One fisherman from Lancaster caught a 3 1/2 lb. Alper's fish by using night crawlers.

While fishing is slowing at Convict

Please see **FISHING**, Page 15

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Cdr. 'Tony' Casimano reflects on his four years at China Lake

Work with smaller faith groups and St. Ann's highlights tour

By Peggy Shoaf
Staff Writer

He'll be missed, is an understatement to the many friends Cdr. "Tony" Casimano has made during his four-year tour at China Lake. Leaving the position of Command Chaplain, Father "Tony," as many of his parishioners call him, will depart China Lake July 25 to take up his new duties as senior Catholic chaplain at the Marine Corps Air Station at Camp Lejeune, North Carolina.

While this will be his second tour of duty at Camp Lejeune, Cdr. Casimano noted his duties will be vastly different. During his first tour, he was on the Fleet Marine Force side of the house, meaning he was deployed on ships with the Marines, Casimano said. This time, he will be on the base side and not be deployed.

But no matter what, Cdr. Casimano will never forget his China Lake tour of duty.

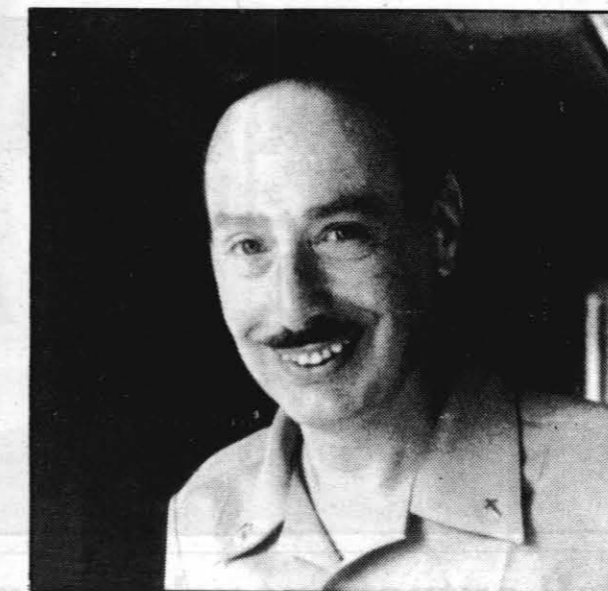
After arriving here in July 1988, the new command chaplain was greeted with a \$400,000 roof replacement which presented quite a few problems. Not only did services have to be moved, the construction restricted the comings and goings to the chapel office. Almost immediately after the roof repairs were finished, the small chapel was renovated, causing additional activities to be moved to another location. When that renovation was completed, another upheaval came when arrangements were made with Command to surrender the chapel's annex next to the Children's Center so it could expand. The programs previously held in the annex were moved to the duplexes across the street from the chapel.

Looking over his past four years as Command Chaplain, Casimano said he

has a lot to be thankful for. Not only did another denomination join the Command's Religious Program, but the cooperation with the faith groups that comprise the All Faith Chapel improved and the Chapel's Catholic congregation strengthened its ties to its neighboring community, St. Ann's.

The inclusion of the Islamic group into the China Lake program was definitely a highlight of his tour, Casimano said. While the Islamic community did use the All Faith Chapel facilities before his arrival, it wasn't until afterward that the group was officially incorporated into the program, Casimano explained.

"It made our program here somewhat special because it's not every Navy base that can boast of having four separate distinct faith groups comprising the Command Religious Program," the chaplain said. Working with the Jewish community was also a joy, Casimano said, especially working with the student rabbis from the Hebrew Union College in Los Angeles. Casimano said he especially enjoyed working with the previous student rabbi, who, he explained, was in the Navy Student Chaplaincy Program. Upon completion of his studies, the student will enter



Cdr. 'Tony' Casimano

the Navy as a chaplain.

Through working with the student rabbi, Cdr. Casimano also developed a close relationship with the college officials. In fact, he was invited to lecture on Medieval Christian/Jewish relations to the college's students. "As far as I know," he said, "that is the first time a Navy chaplain has ever been invited to this college to lecture. I thought it was a great compliment."

He was also invited by the local Jewish community to talk to them about Catholicism, which in itself was unusual, Casimano said.

Father Tony also appreciated the interaction between the two closely knit Catholic communities, St. Ann's and

the Catholic congregation of the All Faith Chapel. "It was at St. Ann's I taught scripture classes for four years that were available to both congregations," Casimano said. "A minimum of 100 students attended each time."

Cdr. Casimano felt it was a privilege and honor to help out at St. Ann's whenever possible. "Monsignor Cleary and I got along extremely well," he said fondly. "He often utilized me to celebrate Mass for the kids, not only during the school year, but special masses. When

he was absent, I would help out down there, filling in. There has never before been such a consolidation between the two congregations parishioners tell me. Members are welcome at either church."

Agnes Winter, the director of religious education at the All Faith Chapel, noted she was going to miss Father Tony, not only as a boss, but as a friend. Chaplain Goodman, the assistant command chaplain, credited Cdr. Casimano as being a "super boss, very supportive and understanding, a good mentor."

The feeling is mutual, as Cdr. Casimano had nothing but praise for his co-workers. "The staff here has always been extremely helpful," he said. "The directors of Religious Education (Agnes Winter, Rosemary High and Eleanor Hartwig) are the corporate memory of this office. They have been great."

"I am also truly grateful for the support I have received from Chaplain Goodman. He has been a superb assistant command chaplain. He has managed to support and relieve me of many of the burdens that go with the job of command chaplain. He has been a God send, a real God send," he concluded.

But regardless of the feelings aroused by his imminent departure, Cdr. Casimano feels the Chapel will be in good hands. His replacement, LCdr. Tom Mele, has already arrived. "He has just spent a year in post graduate studies at Princeton University and comes highly recommended," Casimano said. "His reputation is excellent. I believe the people here are going to enjoy him."

A "Welcome Reception" has been planned in LCdr. Mele's honor July 12 in the All Faith Chapel synagogue (East Wing) at 7 p.m. Everyone is invited to attend this reception to meet the new command chaplain.

Recognition

Reenlistments

NAWS
AE3 Cesar Astorga reenlisted for four years June 4. Reenlisting officer was Lt. Fred L. Butler.
AD1 Graciand S. Galas re-upped for two years June 4. Ens. John W. Wood was the reenlisting officer.
AO1(AW) Patrick A. Dorman reenlisted for three years June 5. Lt. William E. Bowdish was the reenlisting officer.
AMSN Robert Otto was reenlisted June 5 by Lt. Michelle Williams for four years.

AK2 Jessie G. Hermosura re-upped for six years June 12. Reenlisting officer was Lt. Williams.
AMS3 Michael Hobson re-upped for two years and AMS1 Martin E. Stockton re-upped for four years June 12 with Maj. John C. Ladd presiding.
ATC(AW) Robert C. Ross reenlisted for five years June 12 by Lt. Butler.
ABH2 Wade S. Eppler reenlisted for two years June 15. NAWS CO, Capt. B.J. Craig, was the reenlisting officer.
AMS3 Daniel W. Weggesser re-upped for two years June 16. Reenlisting

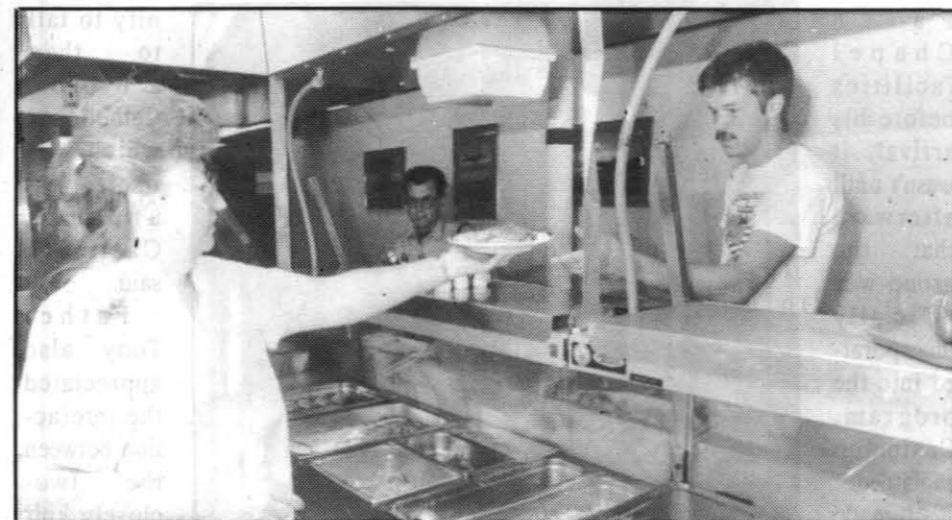
officer was Lt. Chris J. Sonderman.
AC1 Fred W. Bisaro reenlisted for four years June 24. LCdr. John S. Thompson was the reenlisting officer.
ATAN Karl F. Finger was reenlisted for three years June 26 by Cdr. Gilbert H. Baron.
Marine Aviation Detachment
Sgt. Robert A. Baca reenlisted for four years June 8. MAD CO, Col. J.R. Agenbroad was the reenlisting officer.
VX-5 Awards
At two award ceremonies last month Kuwait Liberation Medals were handed

out to Lt. Craig R. Bertolett, AD1(AW) Bruce C. Ormsby, Lt. Thomas M. Furey, Lt. John E. Rose and AD3 Jerry K. Hinkle, who also received the National Defense Service Medal.
AT3 Jeffrey D. Marchese was named Vampire of the Month for April and received the Kuwait Liberation Medal and Battle "E" ribbon.
AN Nicole P. Snyder was named Plane Captain of the Month for April and AMS2 Bradley A. Obidowski received a Good Conduct Medal.



EMPLOYEE APPRECIATION DAY—Lt. j.g. Brian Abel, head of the Food Services and Billing Division (left), and Cdr. Chip Mills, NAVS XO, joined civilian employees of the Main Galley for a special recognition ceremony June 23, a week before the galley closed. At right, Doris Rosso, a 17-year employee, served one of just 14 patrons who came for their last meal at the galley June 30.

Photos by Terry Pascarella



NEX patrons can save big with coupons

Patrons looking for ways to save even more money when shopping at the Navy Exchange might want to start using coupons. The Navy Exchange accepts all types of manufacturer's coupons on products carried in stock. Last year, NEX customers around the world redeemed more than six million coupons and saved more than 10.5 million dollars, for an average savings of \$1.67 per coupon.

Local patrons, too, can get in on the savings by simply clipping coupons for the products they buy and bringing the coupons with them the next time they shop at the Exchange. Special coupons for the Navy Exchange are often included in the NEX Sales Event circulars.

For patrons wanting to get serious about saving money, here are a few money-saving tips.

- Make a shopping list.
 - After clipping the coupons, organize them to keep track of them and the expiration dates.
 - Take advantage of product refunds and rebates, but be sure they're worth the effort and postage.
 - Keep track of how much is saved each week.
 - Keep the coupon organizer in the car for spur-of-the-moment shopping.
 - For extra savings, try to use manufacturer's coupons to purchase items that are already on sale.
 - Check all expiration dates before presenting coupons to the cashier.
 - Try new products—they're often introduced with high-value coupons. Products not liked don't have to be tried again.
 - Use coupons to stock up on items used regularly.
 - Always present coupons to cashier before purchase.
- Coupons and the Navy Exchange add up to terrific value. Couponing saves money, so start clipping.

CHAMPUS doesn't cover all outpatient rehab services

Freestanding outpatient rehab facilities aren't authorized CHAMPUS providers. Why not? Because many of the services they offer are considered to be investigational in nature, and CHAMPUS is prevented by law from sharing the cost of investigational or experimental services or method of treatment, reads a CHAMPUS News press release.

It's primarily the type of care that determines CHAMPUS coverage, rather than the status of a particular institution as a CHAMPUS-authorized provider of care. Individual independent professional providers of care (such as physical therapists), who are authorized by CHAMPUS, and are not employed by or under contract to an institution that isn't authorized by CHAMPUS, might be able to bill CHAMPUS for the covered care they give, even though the institution at which they provide the care is not authorized by CHAMPUS.

Federal statutes and regulations require that CHAMPUS

cost-share only medically necessary services and supplies required in the diagnosis and treatment of illness or injury. Freestanding facilities may offer such services as therapeutic recreation, social services, driving skills evaluation and training, family education, pre-vocational assessment and training, and transitional living—all of which are not medically necessary, and therefore not cost-shared by CHAMPUS.

Medicare has a classification of health care provider known as a "CORF" (Comprehensive outpatient rehabilitation facility). CORFs are not authorized providers of care under CHAMPUS.

There are nearly 2,400 hospitals nationwide with organized outpatient rehabilitation services. Therefore, the lack of CHAMPUS approval of the 200 Medicare CORFs, or of other freestanding outpatient rehabilitation facilities, has little impact on the access of CHAMPUS beneficiaries to medically necessary outpatient rehabilitative services.

All Faith Chapel Services

Protestant

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

Jewish (375-0385 Messages)

Weekly Services (East Wing), Friday 7:30 p.m.
 Adult Hebrew Lessons (East Wing), Saturday (September thru June) 3:00-5:00 p.m.
 Religious Education (East Wing), Sunday (September thru June) 9:30 a.m.-12:30 p.m.

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) 1902 Dibb, 1002 Blandy, 1008-10 Blandy & 1903-05 Mitscher 10:15 a.m.
 Scripture Classes, Tuesdays (October-January) St. Ann's Parish Hall 7-8:30 p.m.

Islamic

Jumaa Prayer, Friday (1002 Blandy) 1:00 p.m.

Chaplain S. A. Casimano, LCDR, CHC, USN
 Chaplain G. L. Goodman, LT, CHC, USNR
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Enjoy an 'all you can eat' pizza and salad bar buffet at Freddy's

Enjoy an "all you can eat" pizza and salad bar, and beverage (ice tea, coffee or soda) at Freddy's Place. Included in the salad bar is a hot daily special. Cost is only \$5.25 per person. The staff from Freddy's Place invites all China Lakers to clip and save the following week's menu so they don't miss any of their favorite dishes.

Menu for July 9-17

- July 9 — Potato Bar
- July 10 — Fried Shrimp & Fish
- July 13 — Cajun Stew
- July 14 — Taco Bar
- July 15 — BBQ Beef Sandwich
- July 16 — Soup Bar
- July 17 — Baked Fish & Fried Shrimp

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FLYING from Page 11

military pilots, too. "The maps are flat," he said, "but what they represent are not."

Neither Shel nor Bill feel people have to be rich to fly, or even to own a plane. "However," Shel said, "Those who own new cars don't have a plane, and those who have a plane, don't have a new car."

Flying lessons cost \$55 an hour. If a student needs 60 hours to learn everything needed to pass the FAA tests, that's a total cost of \$3,000. This cost is spread throughout the time it takes the student to learn to fly.

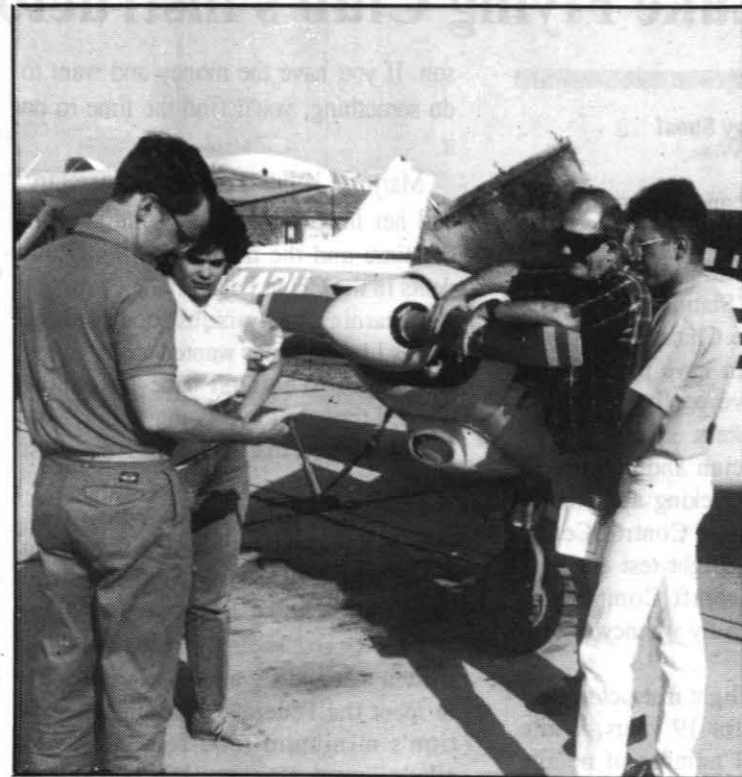
"I don't look upon myself so much as a teacher, but as a coach and safety valve," Bill said. "I like to have my students not be too afraid to move the controls. I want them to know what is going to happen under different types of circumstances. If they get into a stall, I want them to know what the plane is going to do. Students learn a lot that

way. I'm there to make sure everything stays safe."

Shel feels it is easier to teach someone to fly than it is to teach them how to drive. "You have a set of controls you can pick up to keep the student out of trouble," he said. "When teaching someone to drive, you have to be out on the road (with other vehicles). When flying, there aren't any other vehicles in the area."

The China Lake Flying Club is open to members of the armed forces, whether in active duty, the reserves, or retired, civil service personnel and DoD contractors with Command approval. Members can fly one of the club's many airplanes for personal use or for business reasons. According to Marjorie, the club's planes are often used for government travel.

To learn more about the club, or to set an appointment for a flying lesson, call 446-4334 and leave a message.



DISCUSSING an upcoming flying lesson are China Lake Flying Club instructors Bill deGroh and Shel Simonovich, and students Marjorie Hunter and Glen Neiger.

Dr. Lamm to speak at July 15 NCMA meeting

"Preparation For And Conduct Of Negotiations" will be the topic of the next meeting of Ridgecrest/China Lake Chapter of the National Contracts Management Association. Dr. David Lamm, associate professor of administrative sciences at the U.S. Naval Postgraduate School will be the guest speaker. The luncheon meeting is set for 11:30 a.m. July 15 at Farris' At The Heritage.

The business portion of the meeting will include installation of officers for the upcoming year.

Reservations, which must be made by July 13, may be made by calling Vickey at 939-6245, Gina at 939-6334 or Jackie at 939-9649.

The luncheon menu is teriyaki chicken. Cost is \$7.50 for members and \$8.50 for non-members.

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DUGGINS from Page 1

"ECCM requirements definition was hit-or-miss, at best," Duggins said. "Some programs had people with the expertise to identify ECCM requirements, but there was no standard approach or methodology for assessing the threats and establishing counter requirements."

So ERAM began in 1986 to establish a methodology for determining ECCM requirements in all new and upgraded U.S. system. Using standardized terminology and definitions, it provides a representative electro-optical (EO), infrared (IR) and radio frequency (RF) ECM threat baseline, both current and projected over 10 years.

Each ERAM book contains a stand-alone description of the type of ECM faced by a particular family of U.S. weapon systems. ERAM Increment 1, which addresses air-to-air weapons systems, and ERAM-2, which covers air-to-air surveillance and command, control and communications (C³) systems, have been released. ERAM-3, covering surface-to-air systems, is due out very soon. ERAM-4, which is just starting development, will address air-to-surface systems, and ERAM-5 will cover surface-to-surface systems.

Each book is the product of about 50 authors, who come together from a wide variety of tri-service facilities and disciplines. "These documents draw on the

knowledge and experience of experts in the EW field, as well as the latest intelligence on the current ECM threats," Duggins said. "I'm in the process now of

putting together the executive working group for the fourth increment (book). I'll need input from various people in the RF, EO/IR and tactical communities who deal with air-to-surface systems." On Station, she explained, this will include people from Codes 31, 35 and 36, and perhaps others she has yet to identify.

All three services now use the documents and have contributed data and some funding to the program, but ERAM has yet to be named a joint service program. Becoming one, says Duggins, is a major goal.

The first critical period of ERAM development was led by David Pack, a former China Laker, as project manager,

and Jim Hobson, a division head at NAWC-WPNS, Point Mugu, as technical lead. They also received Superior Civilian Service Awards for their ERAM

efforts. When Pack left the program, it was managed by David Seibel in the Aircraft Weapons Integration Department for a year before Duggins took over and brought it back to Code 39 in October 1989.

As many degreed (B.S., psychology, San Francisco State) women did in 1979, Duggins started as a GS-4, working for the Shrike program as a clerk typist. After a couple of months, she got into the Management Intern Program, which later became the Administrative Junior Professional Program, and was elevated to a GS-7.

In October the same year, she started in Code 39, then known as the Weapons Department, working as an administra-

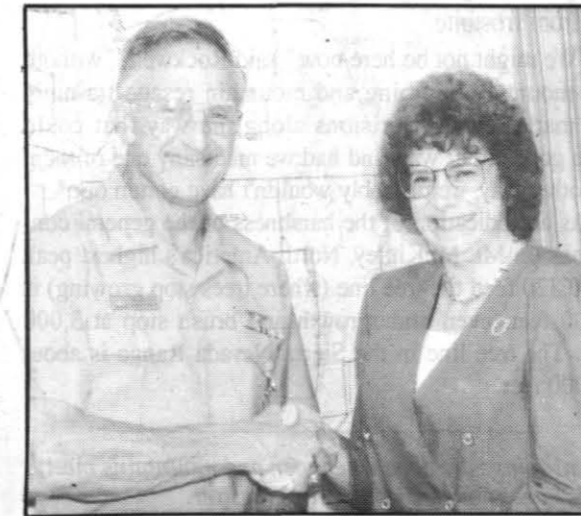
tive officer on several missile technology programs, while she began development of the department's management information system, which soon became a full-time task.

In 1982, she joined the Warfare Analysis Office under Don Witcher and began additional college work in physics and mathematics to become an operations research analyst. In her new job category, she began performing air-to-air missile effectiveness studies. She was promoted to GS-12 in 1985.

While she once worked with Top Gun instructors on comparison studies of U.S. missiles against various threats, a task she considers a "highlight," Duggins says her current position is by far her most rewarding.

"Given the current DoD budget situation, we have to make our existing systems work harder and smarter," she said. "ERAM will help us upgrade current systems, and in a way, that helps make up for the lack of new weapons development programs."

"This program has given me the opportunity to help stretch DoD budget dollars to get the maximum payoff. And on a personal note, I've been privileged to work with the best and brightest on development of these documents—from the top civilian scientists and engineers to the sharpest pilots and backseaters in the squadrons."



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Local climbers survive Denali after several close calls

China Lake Mountain Rescue Group members get 'wilderness experience' in aborted McKinley summit bid

By Barry McDonald
Editor

Three China Lakers, two current civilian employees and one retiree, all members of the China Lake Mountain Rescue Group (CLMRG), do not see their recent aborted expedition to the summit of Alaska's Mt. McKinley as a failure. Expedition leader Bob Rockwell and Tom Roseman were taken from the mountainside by helicopter, on May 10, after the third member, Daryl Hinman, sought help at a ranger camp.

"Even though we didn't complete the expedition," said Hinman, an electrical engineer in the Intercept Weapons Department, "we got what we were after—a true wilderness adventure."

The trek was cut short on the 18th day due to a combination of factors. Tom Roseman, a computer scientist in the Aircraft Weapons

Integration Department, had been experiencing an extreme lack of energy since Day 15. The weather had turned bitterly cold and windy and they were low on fuel—which was needed to melt snow for drinking and to rehydrate food. And by the time they decided they needed help, both Roseman and Rockwell, a physicist who retired from the Aircraft

Weapons Integration Department in 1990, were suffering from frostbite.

"We might not be here now," said Rockwell, "without our mountain climbing and mountain rescue training. We made several decisions along the way that could have gone either way, and had we made any one of them the other way, we probably wouldn't have gotten out."

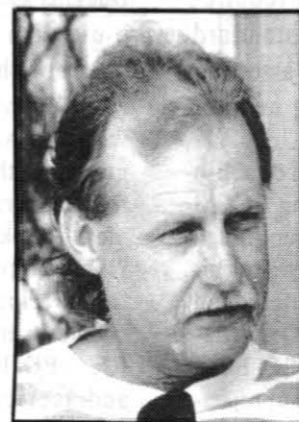
As an indication of the harshness of the general conditions on Mt. McKinley, North America's highest peak at 20,320 feet, the tree line (where trees stop growing) is 1,500 feet; even undergrowth and brush stop at 3,000 feet. The tree line in the Sierra Nevada Range is about 11,000 feet.

Great things are done when men and mountains meet; This is not done by jostling in the street.

William Blake

The team's diary of the experience is entitled "Ordeal on Denali (the original Athabaskan Indian name for the mountain, meaning the Great One)." The account notes, "Between 1903 and 1990, 12,308 climbers attempted Denali; 6,511 succeeded and 64 died." This year, 1992, is already the deadliest on record with 11 deaths.

The climb is a serious undertaking and many underestimate it, says the diary. It is attempted a thousand times a year with a success rate of 50 to 60 percent. Most choose to challenge the West Buttress route that begins on the Kahiltna Glacier accessible by ski plane at 7,000 feet just outside the wilderness area. This accessibility and it's being the less severe approach, make the



Daryl Hinman

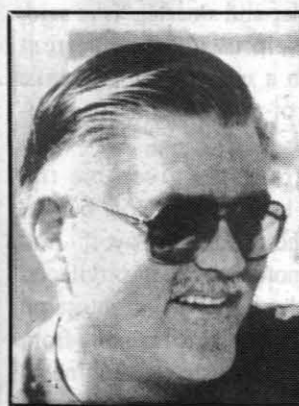
west side far more popular. Still, only a little over half of the attempts from the west are successful.

Rockwell led a 1983 CLMRG expedition that included Terry Moore, Mike Renta and Rod Willer. They successfully summited via the West Buttress. This followed the first local expedition in 1967, when Carl Heller led fellow CLMRGers Bob Westbrook, Dennis Burge, Ernst Bauer, Frank Buffum, Jim Nichols, Charles Ringrose, Russ Huse and Bob Stein to the summit, also by way of the West Buttress.

This time, with Hinman and Roseman, Rockwell planned to approach the mountain from the east and traverse it. Going up the Muldrow Glacier, which was the route of the first successful expedition in 1913, they planned to summit from a point near Denali Pass. The pass, at 18,200 feet, is between the south (main) peak and north peak (19,470 feet), roughly two miles from either. Time and conditions permitting, the group also hoped to climb to the north summit. They then planned to descend the West Buttress to the airstrip camp at 7,000 feet.

The closest point accessible by air on the east is some 45 miles from the summit at an elevation of 1,600 feet.

Please see next page



Bob Rockwell

China Lake Flying Club's instructors pass their knowledge to others

By Peggy Shoaf
Staff Writer

Flying is more than a dream for Bill deGroh and Shel Simonovich, it's their way of life when not working at the Naval Air Weapons Station China Lake. As instructors in the China Lake Flying Club, these two men have passed their knowledge and love of flying onto a number of China Lakers.

Shel is a technician and equipment operator for drone tracking and control at China Lake's Range Control Center and Bill works as a flight test engineer for McDonnell Aircraft Company at Armitage Field. Both fly whenever there is time.

The club's chief flight instructor, Shel has been teaching for 19 years. While unsure of the exact number of people who have received their license under his tutelage, Shel said it had to be a lot. "I've taught all my friends how to fly," he said laughingly, "and I have lots of friends."

A teacher for just over five years, Bill said he has taught five people who went all the way through to receive their licenses, but countless others who didn't take that final step. "A lot of people quit because of money," he said. "While time is a factor, money is still the biggest rea-

son. If you have the money and want to do something, you'll find the time to do it."

Marjorie Hunter, the club's secretary, and her husband, Les, are finding both the time and the money. Both are students in the China Lake Flying Club.

"Learning to fly is just one of those things I have always wanted to do," Marjorie said. "The first time I flew the plane, I thought I was going to die. Now I've conquered that feeling for the most part."

Lack of confidence is Marjorie's biggest problem, Bill noted. After taking flying lessons on and off for the past two years and with 9.4-hours of solo flight already logged, she only needs to take a written test and fly a solo cross country to meet the Federal Aviation Association's minimum requirements for a pilot's license. However, Bill said, due to her lack of confidence that might take a number of more hours of training before taking those final steps.

"And a baseball bat," Marjorie muttered.

Bill laughed and said, "Confidence is all she needs now."

Shel and Bill are willing to teach anyone who wants to learn how to fly.

People interested in learning to fly only need to come out to the club house,

located near Armitage Field. A flight instructor will be assigned to them. "We introduce them to the airplane, showing them where all the buttons and knobs are and what they do, and try to make them feel comfortable, especially if they have never been in a light plane before," Bill said.

Bill noted that the instructor and student spend quite a lot of time on the ground during that first meeting, talking about the airplane and what they are going to do that first hour of flight. Then they are ready to go. "We get into starting the plane up and taxiing it out on the runway," Bill said. "When we take off, we practice straight level climbs and how to turn the plane. Just basic stuff to make the student feel more comfortable."

After landing, the student and instructor talk about the flight and what is needed to continue the flying instructions.

Bill noted students need a minimum of 40 hours flight time, 20 hours with a flight instructor and 20 solo hours, to meet the basic requirements of the Federal Aviation Administration (FAA), Bill said. However, the average amount of time students need is 60 to 80 hours.

Students then have to pass a written test, covering the private pilot's aeronau-

tical knowledge. While there isn't a requirement for a formal school, Bill noted the instructors are more than happy to help the students study for the four-hour written test.

Bill noted the written test is like a driving test, as it goes over signs, safety, rules and so on. It also covers principles of operation, how the plane flies, how it turns, basic aerodynamics, what kind of factors a pilot has to consider when it is hot outside, how much runway a pilot needs taking off or landing, how to interpret weather and so forth.

In the meantime, students are flying. Once the written test is done, and the flying requirements have been completed, the students take an oral examination with an FAA examiner or flight instructor with designated examiner authority. Then the student has to fly, with an examiner onboard. If students pass that test, they get their license.

Night flying is one of the hardest things to master, Marjorie said. "It's harder to fly at night," she said. "You can't see as well and things are out of sync. It kind of like driving at night, only the mountains don't have lights on them showing they are there."

This distortion problem isn't confined to just civilians, Shel said. It applies to

Please see FLYING, Page 12

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hIDEA group plans July 24 meeting

Robots on Mars will be the topic of the High Desert Engineering Association (hIDEA) U.S. Space Observance dinner meeting set for July 24 at the Carriage Inn Conference Center in Ridgecrest. The event starts with a social hour at 6 p.m., followed by dinner at 7. The program begins at 8 p.m.

Robert H. Steinbacher, a member of the technical staff of the Jet Propulsion Laboratory, Pasadena, Calif., will present a summary of past missions of the Mars Observer spacecraft. The principal objectives of the Mars Observer will be explained, as well as how the robots

of future NASA and Russian missions will pave the way for Man on Mars. Captain Robert Kapernick, associate director of the Weapons Directorate at the Naval Air Warfare Center Weapons Division, will be the program's master of ceremonies.

Dinner will be a Polynesian buffet, featuring teriyaki chicken, beef & broccoli, baked Mahi-Mahi, salad, vegetables, beverage and dessert. Tickets purchased by July 22 are \$15 each, while tickets purchased after July 22 are \$20 each.

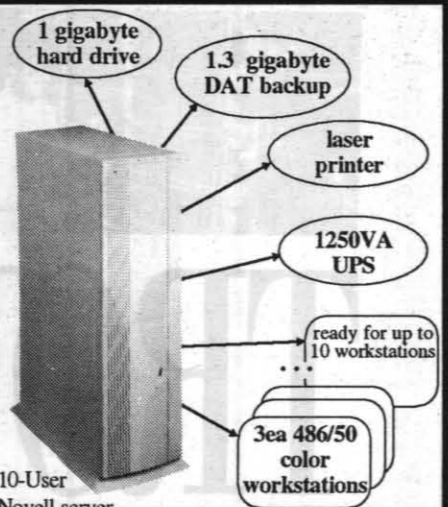
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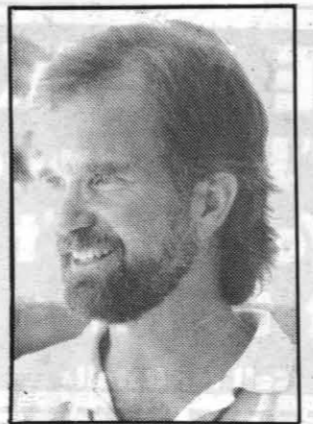
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Whereas western climbers start on the mountain and face a climb of 13,320 feet up and back down (16 miles each way), the local trio would cover a total 61 miles from start to finish, ascending 18,700 feet before the descent to the western camp.



Tom Roseman

The success rate from the east side is only about one in three, but the group wanted more challenge, more wilderness and fewer people. The popularity of the west side has made it very crowded, Rockwell explained.

The team originally planned to start the expedition in May. Though temperatures were much colder, there was less chance of storms than later in the season. Learning of a large expedition also planning to take the Muldrow route in May, however, the group moved the start date up to the last week of April, "in order to be well ahead of them (and anyone else)," says the diary. They really wanted that side of the mountain to themselves—away from the "jostling in the street."

"We certainly achieved that goal," said Hinman. "We didn't see anyone for 16 days on our side of the mountain, when there were probably 300 people on the west side."

The expedition to the summit of Denali actually started over a year ago, when the team started planning.

"This is serious expeditionary mountain climbing," said Hinman. "You have to be well organized, prepared to be independent. There were a lot of logistics to go over. Every piece of equipment had to be thoroughly discussed as to its need and effectiveness, because once you get up there, that's all you've got."

Roseman said, "I must have spent well over 200 hours going through catalogs to pick the right equipment." And all of the equipment was tested during training climbs. The group made winter ascents of Junction Peak, Mt. Whitney Mountaineer's Route and other climbs in the Sierra. Training also included carrying 80-pound packs up "B" Mountain and, for Tom and Daryl, weight training and riding bikes.

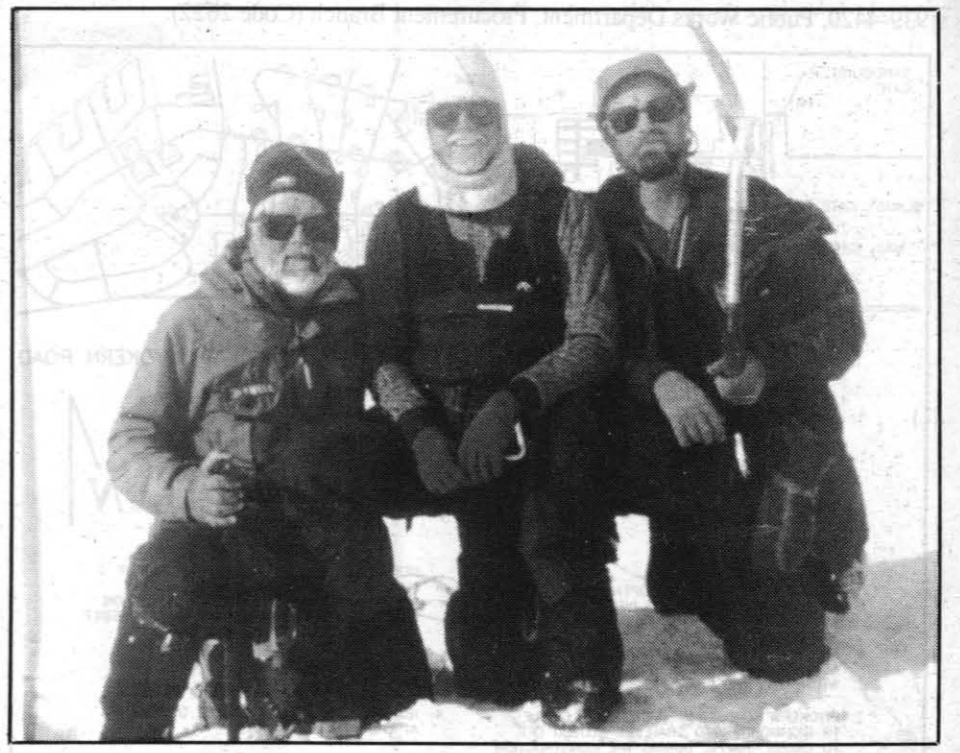
Besides the expense of equipment and airfare, the team paid over \$1000 to get a 200-pound cache of food and fuel from Ridgecrest to Alaska and inserted by dog sled to 6,100 feet on the Muldrow Glacier, where the actual climbing would begin.

The expedition began at 2 a.m., April 23 with a rental car trip to LAX, arriving at Talkeetna, Alaska at 5 p.m. They spent the night in the aviation company's bunkhouse and the next morning, flew to the mining camp of Kantishna, where they would begin their 32-mile hike to the supply cache. During the flight, the pilot jokingly asked Rockwell, 56, Hinman, 44, and Roseman, 43, if this was the "Old Folks Expedition." Later they would refer to themselves as the "Cold Folks Expedition."

They traveled nine miles each of the first two days, easily crossing Wonder Lake and McKinley River, both frozen—an advantage of starting so early in the sea-

son. They reached the cache on the fourth day, which was overcast, but the clouds broke occasionally, "to show us a fabulous view of the Muldrow and Traleika Glaciers," the diary notes. After reaching McGonagall Pass, they dropped 100 feet to the glacier, "roped up (tethered themselves to one another) and trudged about three miles to the cache." There they dined on the non-climbing food that had been put in the cache for the last meal before the climb—canned beef stew, pea soup, salmon, corned beef hash... "and some E&J Brandy."

Next week, in Part 2, the expedition continues.



EXPEDITION TEAM posed for time-delayed photo about one week into the journey.

Photos by Terry Pascarella and Bob Rockwell

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ROADS from Page 2

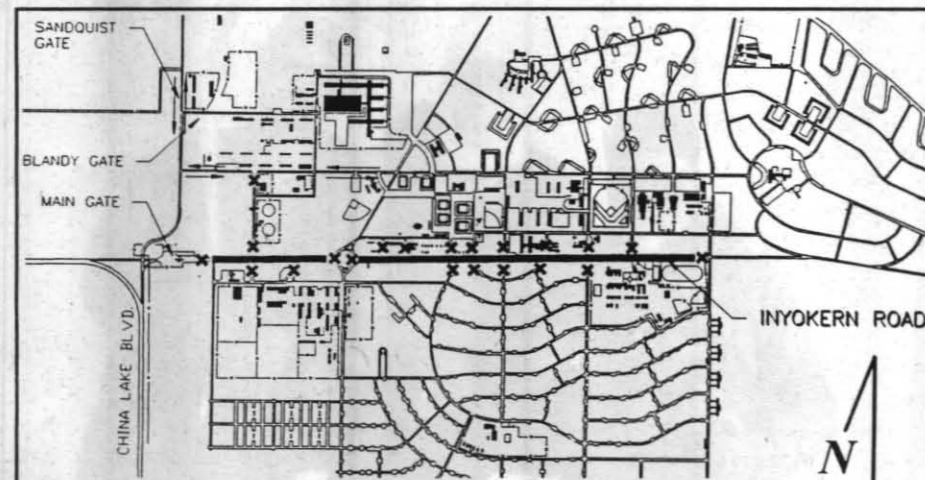
Richmond Road from Blandy to Lauritsen will be closed for milling and overlay work July 28 through August 9. Access to the NWC Credit Union will be available by alternate routes.

The final sealing and striping operations are scheduled to begin in August. There will be another announcement in *The Rocketeer*.

During the month of July there will be heavy equipment and workmen in various parts of main site. Everyone having business in the affected areas is encouraged to think about using alternate routes to avoid the construction areas whenever possible.

The traffic circle will be open for traffic during the construction work.

For further information please contact Ron Metevier at 939-4409 or Mel Berry at 939-4420, Public Works Department, Procurement Branch (Code 2622).



NOTES: 1. INYOKERN ROAD WILL BE OPEN TO ONE LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES FROM THE MAIN GATE TO THE TRAFFIC CIRCLE. ALL MILLING, FABRIC AND OVERLAY CONSTRUCTION WILL BE ACCOMPLISHED IN 5 WORKING DAYS, WEDNESDAY THRU SUNDAY. 2. INYOKERN ROAD FROM THE TRAFFIC CIRCLE TO RICHMOND ROAD SHALL BE CLOSED OFF TO CROSS TRAFFIC DURING THE CONSTRUCTION PERIOD. ALL MILL, FABRIC AND OVERLAY SHALL BE ACCOMPLISHED IN 7 WORKING DAYS. THE LAURITSEN ROAD INTERSECTION SHALL BE KEPT OPEN AS MUCH AS POSSIBLE TO CROSS TRAFFIC. 3. BLANDY GATE WILL BE OPEN WEEK DAYS 0600 TO 1800. 4. NORMAL GATE HOURS WILL BE OBSERVED AT THE REMAINING GATES.

Windows 3.1

You can now get Windows 3.1 in several forms & versions (specify 3 1/2" or 5 1/4"):

Table with 2 columns: Microsoft Windows 3.1, Price. Rows include MS Windows 3.1 Original (\$98.95), MS Windows 3.1 Upgrade (\$42.95), MS Windows 3.1 Upgrade with a super 3-button CLIX mouse (\$64.95).

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Table listing computer hardware prices: 60MB SX 1MB (\$1,395), 80MB SX 1MB (\$1,495), 80MB SL 4MB 130MB SL 4MB (\$1,975), 130MB SL 4MB (\$2,195).

Our best notebooks: • 25MHz 386SL, 20MHz 386SX • 2" thick & only 6.8 pounds • rugged • 1.44MB (& 720K) floppy • super case • wonderful backlit supertwist VGA display • ports galore • DOS 5.0 • much more. Come try the nicest, best selling laptops we've ever carried. Come see our SX/SLs.

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AIR CONDITIONING \$28.95 Includes visual inspection & freon recharge. Call for details. Coupon Expires July 16, 1992

TUNE UPS \$32.004 Cylinder \$40.006 Cylinder \$46.008 Cylinder Most Cars & Light Trucks Coupon Expires July 16, 1992

SPIN BALANCE COMPUTERIZED 4-WHEEL \$15.00 Most Cars & Light Trucks Coupon Expires July 16, 1992

ALIGNMENTS 2 Wheel Alignment \$17.95 Most Cars & Light Trucks Coupon Expires July 16, 1992

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ASE CERTIFIED

LifeTime 446-3209 1419 N. China Lake Blvd. Ridgecrest Monday-Friday, 8am-5:30pm Saturday, 8am-4pm MUFFLER AND BRAKE CENTER

QUAKES from Page 1

bend. One theory accounting for the missing 12 millimeters is that this energy is being transferred to other faults, including the Blackwater Fault, which was thought to terminate south of the Garlock Fault.

However, the local earthquake activity could be related if that fault really doesn't end, but rather continues northwest. "The activity we've seen in the Lone Butte and China Lake areas would tend toward fitting the model of an extended Blackwater Fault," said Monastero. He added the IWV sits right in the middle of a triangle bounded by the Sierra Nevada range, the eastern California shear zone and the Garlock Fault. Similar activity he noted, went on in the Mammoth Lakes, Long Valley area of Mono County at the northern end of this triangle.

Commander Chip Mills, NAWs Executive Officer, said at a staff meeting this Monday morning the activity had helped him, as a relative newcomer

SOLE hosts Wal-Mart manager July 15

Jeff Long, Wal-Mart's assistant manager for process and ordering, will be the guest speaker at the next meeting of the Hi-Desert Chapter Society of Logistics Engineers. During the dinner meeting, set for Farris' at the Heritage (1050 N. Norma) on Wednesday, July 15, Long will discuss Wal-Mart logistics in the Indian Wells Valley. A social hour begins the event at 6 p.m., followed by dinner at 6:30 p.m.

Reservations, which are required, may be made by calling Larry Peacock at 375-7448. The public is invited to this meeting.

to the area, get his home and his works spaces better prepared for future earthquakes. He encouraged other China Lake employees to look closely, if they have not already done so, at just how prepared they are, at home and at work, for a major earthquake.

Al Katzenstein, a geophysicist with the NAWs China Lake Geothermal Program Office, stressed emergency preparation. "Don't panic, but be prepared. Have extra water and food on hand; know where you have flashlights and batteries and have a portable, battery-operated radio available.

Those thoughts were echoed this week by Larry Stensaas, emergency preparedness officer in the NAWs Safety and Security Department. "This would be a good time to review office and family preparedness. Most area residents know the 'duck, cover and hold' actions to take during an actual earthquake but are not ready with emergency supplies at home or at work."

WE'RE LOOKING FOR TROUBLE

Rest assured. Each night, while Ridgecrest is fast asleep, Contel's highly sophisticated telecommunication system is monitoring itself, carefully checking for potential problems. If the system detects any trouble, chances are we'll know about it and have it fixed before you ever experience a problem. We simply believe in providing the kind of excellent phone service Ridgecrest deserves. So sleep well. We're looking for trouble... so you won't find any.

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LEAVE DONORS NEEDED

The employees listed below have been approved as leave recipients under the Leave Transfer Program. These employees have exhausted annual and sick leave because of personal emergencies and will be in a nonpay status for at least 10 days...

Herschel Sibley, Mechanical Engineering Technician, Code 3571
Herschel Sibley underwent coronary angioplasty procedures and is in need of leave.

Jo Crom Smith, Contract Surveillance Rep, Code 2623
Jo Crom Smith needs leave in order to care for her twins who are on medication due to childbirth complications.

Adriana Ledford, Secretary, Code 2853
Adriana Ledford is in need of leave as a result of pregnancy complications.

Elsie Sweet, Architecture Technician, Code 2691
Elsie Sweet underwent orthoscopic surgery on her knee.

Jesse Ray Lewis, Jr., Police Officer, Code 2413
Jesse Ray Lewis, Jr., has been off work for several months as a result of back surgery and complications resulting from the back surgery.

Alvina S. Quintanilla, Contract Specialist, Code 254
Alvina S. Quintanilla is undergoing daily radiation therapy for inoperable cancer of the naso-pharynx.

Trisha Chan, Program Manager, Code 3402
Trisha Chan needs leave to care for her husband, who is terminally ill with cancer.

Judy A. Eldredge, Code 2862
Judy A. Eldredge is in need of leave to care for her 6-year-old son, who is undergoing continuous treatment for Acute Lymphatic Leukemia.

Mary Kathleen Smith, Fiscal Accounting Clerk, Code 2855
Mary Kathleen Smith had laparoscopic surgery and is in need of leave.

Julia McConnell, Computer Specialist, Code 3916
Julia McConnell is indebted for leave due to exposure to inorganic fibers.

Nancy K. Bryant, Management Analyst, Code 2281
Nancy K. Bryant is suffering from severe fibromyalgia symptoms and arthritis in her back.

Deborah A. Birch, Secretary, Code 642A
Deborah A. Birch received treatment for breast cancer and is indebted for leave.

CSUC COMPUTER SCIENCE PROGRAM

The following courses are being offered for the fall program for the Cal-State University, Chico (CSUC), Computer Science Program (bachelor's and master's degrees). To enroll in these courses, call Denise at 939-2648...

CSCI151: Algorithms and Data Structures (3 units)
31 August-16 December; Mondays and Wednesdays, 1130-1245; Training Center (videotape). By: Professor Melody Duncan...

comparison of differing types of scheduling and memory allocation routines; an analysis of system deadlocks and their prevention, and discussion of I/O control in a multi-user environment.

This course will cover the design and implementation of graphical user interfaces using the primitive X windows library as well as the Xt and Motif toolkits.

Text: The X Window System Programming and Applications with Xt OSF/Motif. Douglas A. Young, Prentice Hall, 1990.

CSCI273M: Database Management (3 units)
25 August-17 December; Tuesdays and Thursdays, 1100-1215; Training Center (via satellite). By: Professor Melody Duncan...

Text: Fundamentals of Operating Systems. Lister. Spring-Verlag, 1984, third edition.

Text: Smalltalk/V will be available in the Learning Center for use in this course. It may not be taken out of the Learning Center.

CSCI272: Multi-User Operating Systems (3 units)
25 August-17 December; Tuesdays and Thursdays, 1230-1345; Training Center (via satellite). By: Professor Ralph Hilzer...

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

CSCI381A: Computer Morphology (3 units)
25 August-17 December; Tuesdays and Thursdays, 1400-1515; Training Center (via satellite). By: Professor Bob Britton...

Text: VSLI RISC Architecture. Stephen Furber. Marcel Dekker, Inc., first edition.

CSCI298C-1: User Interface Using X Windows (3 units)
25 August-17 December; Tuesdays and Thursdays, 0930-1045; Training Center (via satellite). By: Professor Jim Murphy...

Text: Fundamentals of Database Systems. Lister. Elmasri/Navathe, ISBN# 080530145-3.

CSCI397C-1: Object-Oriented Programming (3 units)
25 August-17 December; Tuesdays and Thursdays, 0800-0915; Training Center (via satellite). By: Professor Paul Luker...

Text: Smalltalk/V will be available in the Learning Center for use in this course. It may not be taken out of the Learning Center.

CSCI210: Software Engineering and CSCI231: Computer Graphics. Prerequisite: CSCI151; Algorithms and Data Structures or equivalent of consent of instructor.

Text: Smalltalk/V will be available in the Learning Center for use in this course. It may not be taken out of the Learning Center.

Text: Smalltalk/V will be available in the Learning Center for use in this course. It may not be taken out of the Learning Center.

Text: Smalltalk/V will be available in the Learning Center for use in this course. It may not be taken out of the Learning Center.

CSCI210: Software Engineering and CSCI231: Computer Graphics. Prerequisite: CSCI151; Algorithms and Data Structures or equivalent of consent of instructor.

Text: Smalltalk/V will be available in the Learning Center for use in this course. It may not be taken out of the Learning Center.

Text: Smalltalk/V will be available in the Learning Center for use in this course. It may not be taken out of the Learning Center.

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The NAWCWPNS/NAWS Announcements, published by the Technical Information Department (Code 34/C94), disseminates work-related information to all Center personnel and is distributed to all personnel in the Rocketeer on Thursday...



Unless otherwise noted, enroll in the following classes by submitting NAVWPNCEN 12410/73 (Rev. 12-88), via department channels to Code 224. (Code 224)

A NUTS & BOLTS ENGINEERS APPROACH TO REPORT WRITING (4 hrs.)
16 July; Thursday, 0730-1130; Training Center. By: Lois Reed, Code 3517.

The objective of this course is to provide a working-level guide and plan for writing a technical report at NAWCWPNS. This is not an English class. Items covered include the importance of technical report writing...

Students will be trained with Autocad, version 11. This course is intended for those who already have some experience with Autocad, but also desire to learn advanced features...

Presentation Method: Hands-On Workshop
Deadline: 3 August
Enrollments are taken as first request received, first approved.

INTRODUCTION TO MESSAGE TEXT FORMATS (MTF) FOR MACINTOSH (8 hrs.)
27 August; Thursday, 0800-1630; Training Center. By: RMC Hazel, Code 87.

MTF editor is a message preparation program designed for MS-DOS computers. It assists message drafters and typists in preparing error-free Naval Messages.

SUPERVISOR AS COACH AND SUPPLIER (16 hrs.)
3-4 August; Monday-Tuesday, 0800-1600; Command Conference Center (Panamint Room). By: Suzanne Hard.

This 2-day workshop will assist participants in moving from a directive style of leadership to one where the role is that of a coach, facilitator, or (using the Supplier-Customer model) one of supplier rather than customer.

INTRODUCTION TO MESSAGE TEXT FORMATS (MTF) FOR IBM (8 hrs.)
25 August; Tuesday, 0800-1630; Training Center. By: RMC Hazel, Code 87.

MTF editor is a message preparation program designed for MS-DOS computers. It assists message drafters and typists in preparing error-free Naval Messages.

ADMINISTRATIVE POLICIES AND PROCEDURES FOR NEW SUPERVISORS (32 hrs.)
5, 6, 12, 13 August; Wednesdays-Thursdays, 0800-1600; 1st week—Command Conference Center (Panamint Room), 2nd week—Training Center. By: Center Staff.

Intended audience: New Supervisors during the 1st-year probation period.

INTRODUCTION TO MESSAGE TEXT FORMATS (MTF) FOR IBM (8 hrs.)
25 August; Tuesday, 0800-1630; Training Center. By: RMC Hazel, Code 87.

MTF editor is a message preparation program designed for MS-DOS computers. It assists message drafters and typists in preparing error-free Naval Messages.

Topics covered include a summary of general guidelines (organizational structure of DOD and subordinate commands, safety, security, privacy act, ethics, workers compensation, plant account, Drug Free Workplace Program, and EEO including Prevention of Sexual Harassment).

Completing this course within the first 120 days of your supervisory probation period satisfies the mandatory training requirements for the probationary year for safety, security, ethics, and prevention of sexual harassment.

AUTOCAD 3D/AUTOLISP (40 hrs.)
17-21 August; Monday-Friday, 0800-1600; Training Center. By: CAD Institute.

Prerequisite: Enrollees are required to have basic knowledge of Autocad (version 10), be familiar with PC and DOS, and have some programming experience.

Enrollments are on a call-in basis only. First-to-call, first-to-be-placed. To enroll or if you have any questions, call 939-2686.

ACQUISITION STREAMLINING AWARENESS (16 hrs.)
4-5 August; Tuesday-Wednesday, 0800-1600; Heritage Inn (Ready Room). By: Jack Wilson, PRC.

Intended audience: People who write equipment specifications or write statements of work. People who prepare the technical part of an engineering package...

Intended audience: People who write equipment specifications or write statements of work. People who prepare the technical part of an engineering package.

This course is specifically designed to apply common sense and good business practices, to reduce the time and cost of acquisitions, and improve quality.

Note: Enrollments are on a call-in basis only. First to call, first to be placed. To enroll or if you have any questions, call 939-2686.

ON-THE-SPOT FACILITATING (8 hrs.)
12 August; Wednesday, 0800-1600; Command Conference Center (Panamint Room). By: Tina Rockdale and Bob Huey.

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

Facilitator tools, techniques, and skills will be demonstrated and practiced in simulated team problem solving sessions.

Intended audience: Supervisors, managers, and team leaders.

Note: Enrollments are on a call-in basis only. First to call, first to be placed. To enroll or if you have any questions, call 939-2686.

WORD, ADVANCED (16 hrs.)
20-21 July; Monday-Tuesday, 0800-1600; Training Center. By: Donnie Goettig, Consultant.

Prerequisite: 6 months experience using Word 5.0. In this course you will learn how to use: 1. Style sheets: automatic and custom, based on, next style, copying and pasting styles, linked styles, changing and editing styles.

SELF-HELP CLASSES

CO-DEPENDENCY VIDEO SERIES (2 hrs.)
By: Concept Media
THE WHAT & WHY OF CO-DEPENDENCY
Gives an overview of the history of co-dependency. Describes current thinking regarding the disorder and discusses its origins.

CHARACTERISTICS OF CO-DEPENDENTS
Discusses common characteristics of co-dependents, including externally focused, overly responsible, controlling, rigid, and engaging in compulsive behavior.

THE PATH TO RECOVERY
Discusses common concerns of co-dependents entering treatment: effects of treatment on significant others, spiritual issues, and the misuse of willpower and analytic thinking in overcoming co-dependency.

Drawn from the work of nationally known author and lecturer, Robert Subby, this program utilizes his workshops and other interviews in a fast-paced presentation.

PIECES OF SILENCE
Tells the story of a family that has suffered the effects of an alcoholic parent. It is the family of nationally known author and psychologist Robert Subby...

To sign up for this video call Tammy at 939-2451.

FITNESS BOOK
By: Louis W. Sullivan, MD
American College of Sports Medicine has developed this resource for those who are not already fit.

To check out this book call Tammy at 939-2451.

THE WELLNESS BOOK
By: Herbert Benson, MD, and Eileen Stuart RN.

This book combines the best of what you can do to enhance your health and well-being with the marvels of modern scientific health care.

To checkout this book call Tammy at 939-2451.

HAZARDOUS WASTE TRAINING (7 hrs.)
Attendees may choose any one of the following dates:

29 July; Wednesday, 0800-1600; Room 211, Training Center, 26 August; Wednesday, 0800-1600; Room 107, Training Center, or 23 September; Wednesday, 0800-1600; Room 211, Training Center.

By: Environmental Project Office (Code 008) and Safety and Security Department (Code 24).

Intended audience: Those who generate, handle, and manage hazardous waste. This course is required training for anyone who generates or handles hazardous waste.

Because the activities of NAWCWPNS and NAWS, China Lake, generate more than 1000 kg of hazardous waste per month, we are designated as a Class I Generator and are subject to full regulation under federal environmental laws.

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

Enrollments are on a call-in basis. Point of Contact is the Environmental Project Office, 939-2790. Many departments have identified personnel who need this training.

Deadlines: 17 July for the 29 July session. 12 August for the 26 August and 23 September sessions.