

Allbaugh returns to the NTS

by Nancy Tufano

Joe Allbaugh, director of the Federal Emergency Management Agency (FEMA), revisited the Nevada Test Site (NTS) on April 24, 2002, for a more extensive tour of NTS facilities, focusing on emergency response capabilities. Allbaugh's return comes in light of a proposed expansion of NTS counterterrorism capabilities.

In May, the Senate Armed Services Committee authorized \$40 million in Fiscal Year 03 funding for NTS emergency responder training. The training will include simulated exercises involving nuclear, biological, and chemical attacks. The funding increase is five times that of current spending for NTS counterterrorism programs and will cause an exponential increase in the number of responders trained (more than 1,500 first responders received training at the NTS since 1998). Although the committee authorization is an early stage of the

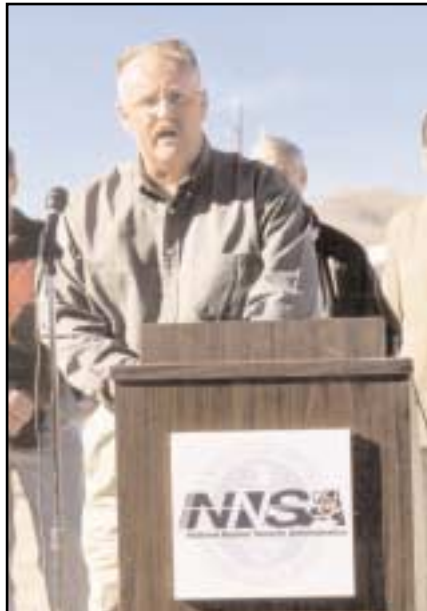


photo by Mary Scodwell

Joe Allbaugh, director of the Federal Emergency Management Agency, revisits the Nevada Test Site for a more extensive tour focusing on emergency response capabilities.

bill process, when a line item such as this one is inserted, it is usually passed.

Allbaugh began his tour by hearing a briefing at the Hazardous Materials Spill Center, which allows for the releases of hazardous materials for training purposes, field-test detection, plume dispersion experimentation, and equipment and materials testing. He later had lunch with members of the Weapons of Mass Destruction program followed by an observation of a Weapons of Mass Destruction exercise at Burma Road.

Upon his initial visit to the NTS, Allbaugh commented that the facility was "on the right road" to becoming a national center for combating terrorism. After reviewing the facilities a second time, Allbaugh commented, "The assets that exist at the Nevada Test Site clearly are unique and cannot be duplicated anywhere else in the United States."

Lightning kills

by Ed Baur

For the past 40 years, lightning is the second largest storm killer in the United States, exceeded only by floods. Lightning is a dangerous threat to people in the

United States, particularly those outside in the summer.

With common sense, we can greatly reduce the number of lightning deaths. When thunderstorms threaten, get to a safe place and stay there

longer than you think you need to. Move to a sturdy building or vehicle. Do **not** take shelter in small sheds, under isolated trees, or in convertible automobiles.

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A PUBLICATION FOR ALL MEMBERS OF THE NNSA/NV FAMILY

Lightning kills

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Stay away from windows and doors and avoid contact with anything that conducts electricity. Remember that telephone lines and metal pipes can easily conduct electricity.

Who gets injured?

About one third of all injuries occur during work, another third of injuries occur during recreational or sports activities. The last third occurs in diverse situations, including injuries to those inside buildings.

According to *Storm Data*, a National Weather Service publication, the U.S. averages 73 reported lightning fatalities per year. Due to under reporting, the figures are more realistically about 100 deaths per year. Only about 10 percent of people who are struck are killed, leaving 90 percent with various degrees of disability.

Estimating Lightning's Distance

The first stroke of lightning is just as deadly as the last. If the sky looks threatening, take shelter before hearing thunder.

The time between seeing a lightning flash and hearing the thunder it produces is a rough guide to how far away the lightning was. Normally, thunder is heard up to 10 miles from the lightning that makes it. Lightning heats the air around it to as much as 60,000 degrees, producing sound waves by the quick expansion of the heated air. Since light travels at 186,000 miles per second, you see the lightning the instant it flashes. Sound, including thunder, travels about a mile in five seconds near the ground. If 15 seconds elapse between seeing a lightning bolt and hearing its thunder, the lightning was about three miles away.

Lightning closer than three miles away is a warning to take shelter immediately. Successive lightning strikes are often two to three miles apart. If the

first stroke is three miles away, the next one could hit you.

The threat of lightning continues for much longer period than most people realize. Wait at least 30 minutes after the last lightning flash before leaving shelter. Sometimes a day with bright sunlight and a blue sky can fool the unsuspected. If you hear thunder, you are within striking distance. Seek safe shelter immediately!

Outdoor Activities: Minimizing The Risk Of Being Struck



The greatest number of lightning deaths and injuries in the United States occurs during the summer months when the combination of lightning and outdoor summertime activities reaches a peak. During the summer, people take advantage of the warm weather to enjoy a multitude of outdoor recreational activities. Unfortunately, those outdoor recreational activities can put them at greater risk of being struck by lightning. Those involved in activities such as boating, swimming, fishing, bicycling, golfing, jogging, walking, hiking, camping, or working out of doors need to take the appropriate actions in a timely manner when thunderstorms approach.

If someone is struck, what do I do?

In the unfortunate event that a person is struck by lightning, immediate medical care can save a person's life. Cardiac arrest and irregularities, burns, and nerve damage are common in

cases where people are struck by lightning. However, with proper treatment, including cardiopulmonary resuscitation (CPR), most victims can survive a lightning strike.

Lightning can reach inside and kill

If lightning hits a house, it can flow through the plumbing, electrical or telephone wires. Lightning has killed people talking on telephones. It also has killed people in showers or bathtubs.

Unplug appliances not necessary for obtaining weather information. Avoid using the telephone or any electrical appliances. Use phones **ONLY** in an emergency. Do not take a bath or shower. Turn off air conditioners. Power surges from lightning can overload the compressors.

Cars offer lightning shelter

When lightning hits the car, current flows through the metal frame toward the ground. Lightning jumps from the wheel to the ground, sometimes blowing out the tires.

If you are caught outdoors and no shelter is nearby

Go to higher ground, when flash flooding or flooding is possible. Do not attempt to drive through flooded areas. Abandon your vehicle if caught in a flash flood and go to higher ground. **Note: Most flash flood deaths occur in automobiles.**

Find a low spot away from trees, fences, and poles. Make sure the place you pick is not subject to flooding. If you are in a wooded area, take shelter under the shorter trees. If you are boating or swimming, get to land and find shelter immediately.

If you feel your skin tingle or your hair stands on end, squat low to the ground on the balls of your feet. Place

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Lightning kills

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your hands on your knees with your head between them. Make yourself the smallest target possible, and minimize your contact with the ground. If you encounter a lightning storm, follow the guidelines presented above. Share this information with your family members and friends - especially with your children or grandchildren.

Odds of Becoming a Lightning Victim	
US 2000 Census population	280,000,000
Odds of being struck by lightning in a given year (reported deaths + injuries)	1/700,000
Odds of being struck by lightning in a given year (estimated total deaths + injuries)	1/240,000
Odds of being struck in your lifetime (Est. 80 years)	1/3000
Odds you will be affected by someone being struck. (Ten people affected for every one struck).	1/300

In southern Nevada, the peak months for lightning strikes are July and August.

Safety Focus

This article highlights the various components that comprise Bechtel Nevada's Construction Safety Program. Over the next several months, a new monthly article will address a different component of Bechtel Nevada's unique Construction Safety Program.

Pocket references aid BN's construction safety

by Jennifer Morton and Rick Remington

Bechtel Nevada's Construction Safety Program utilizes pocket references as an integral part of its overall safety program, which has helped lead Bechtel Nevada in nearly 200 days without a recordable injury.

Prior to June 1999, construction department workers had to remember and incorporate the seven principles and five core functions of Integrated Safety Management Systems (ISM) into daily routine, which posed a difficult task until the idea of laminated pocket references was introduced at an ISM Day. The concept worked very well and a new way of injecting safety into daily tasks began in the construction department.

Workers could now look at their easily accessible pocket



artwork by Jennifer Morton

Laminated pocket references are an integral part of Bechtel Nevada's Construction Safety Program. Pocket references include, pre-job reviews, a listing of company safety directives, construction department operating procedures, and the electrical safety/lockout tagout (LOTO) Lifeline.

reference, usually worn with their NNSA-issued security badge, and reference the ISM principles and functions. The concept grew and became a valuable tool within the construction department. Other reference cards were soon developed, providing a pocket reference with key elements from the Construction Safety Program. Such pocket references include, pre-job reviews, a listing of company safety directives, construction department operating procedures, and the electrical safety/lockout tagout (LOTO) Lifeline.

All reference cards help to alleviate accidents, but a particularly invaluable one is the electrical safety/LOTO Lifeline. Lockout tagout is a method where an energy source is locked and tagged so that work is performed without the presence of hazardous energy. Lockout in most cases is a physical lock applied at the energy source to ensure that it is

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Pocket references aid BN's construction safety

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not re-energized. Tagout is a physical tag that is placed on the lock which informs everyone involved that the system is locked and is only removed by the individual or individuals who installed it. A single source lockout is when only one energy source is locked out to de-energize a system. Multiple source lockout requires more than one source locked out to de-energize the system. There are different LOTO procedures for the various power sources.

Jimmy May, a Bechtel Nevada construction wireman foreman, sensed the confusion and developed a pocket ref-

erence that includes document references and the names and phone numbers of resources to answer questions. May also included definitions to help determine if the LOTO is a single or multiple source and LOTO Lifelines or procedures to follow.

"It was hard to remember the LOTO Lifelines and do them in order," said May, who prior to the laminated cards, clipped a printout of the procedures to his badge.

May developed the LOTO Lifeline pocket reference in July 2001, not long after an employee was struck with 4,160 volts of electricity as a result of not following procedures. According

to May this employee did not use the Lockout Tagout procedure which could have prevented the situation.

"Almost everyone has the laminated pocket references now," May said.

"I call these my fantastic plastic. Whether it is LOTO, ISM, or company safety procedures they allow me to have a quick reference to use on a day-to-day basis," said **Kevin Cooke**, construction superintendent.

Although, reference cards are not a requirement for construction department workers, the use is certainly recognized.

Teams score in the top six in the 2002 Corporate Challenge

by Jennifer Morton

Teams battled their way to the top six in this year's City of Las Vegas Corporate Challenge. Four teams from the National Nuclear Security Administration Nevada Operations (NNSA/NV) complex placed in the top six: Bechtel Nevada placed third in the B-Division, IT placed fifth in the D-Division, NNSA/NV placed second in the D-Division, and Wackenhut placed sixth in the C-Division.

These teams, comprised of all ages and professional levels, competed against other corporate teams in Las Vegas in events ranging from track and field to

bocce ball. The events took place over a period of about two months in various locations around the city.

Both team medals and individual medals were awarded. The following medal awards are for the four teams:

Bechtel Nevada

Gold: Horseshoes-Men, Horseshoes-Women, Horseshoes (Overall), Shuffleboard (Coed), Shuffleboard (Women), Shuffleboard (Overall)
Silver: 5-K Run, Bowling, Fishing, Swimming
Bronze: Canoe Race, Horseshoes (Coed), Laser Tag, Track and Field

IT

Silver: 5 K Run, and Bike Race
Bronze: Table Tennis, and Darts

NNSA/NV

Gold: Chess, Shuffleboard, and Track and Field
Silver: Range Shooting, Walk Race, Bike Race, and Bocce Ball
Bronze: Fishing, and Tennis

Wackenhut

Gold: Range Shooting, Shuffleboard (Men)
Silver: Grass Volleyball (Women)
Bronze: Archery, Bowling, Trap Shoot

Several employees received individual medals in their events.

Ginnia Bills, a Bechtel Nevada employee, received three gold medals and a silver one in swimming, and a gold and a bronze medal in track and field. Bills has participated in Corporate Challenge for the last four years.

"I enjoy the chance to compete against my peers and the interaction with my teammates," said Bills, who

swam competitively in college.

For others, this was their first year to participate.

Gail Anderson, a newcomer to Las Vegas, said, "I will definitely make this something that I participate in for years to come. I know I made many new acquaintances and I hope some new friends along the way." Anderson not only met new friends, but she also received Corporate Challenge's Volunteer of the Year award for her devoted time and energy.

Bechtel Nevada team members were interviewed by Fox 5, May 19, along with competitors, Yucca Mountain (who placed first in the B-Division) and Southwest Gas (who placed second in the B-Division). Gail Anderson was also highlighted for receiving the Corporate Challenge's Volunteer of the Year award.

Take Your Child to Work Day

Bring Your Children to Work Day 2002

by Kirsten Kellogg

On April 25, 2002, more than 50 children of National Nuclear Security Administration Nevada Operations Office (NNSA/NV) and contractor employees took part in the annual *Bring Your Children to Work Day* program. Aimed at getting children interested in science, the program offered many opportunities for the children to see science at work.

Parents were given two options when registering for the day: a tour of the Nevada Test Site or the program at the North Las Vegas Complex.

The tour of the Nevada Test Site, sponsored by Bechtel Nevada, was an all-day event. Highlights included Frenchman Flat, the Hazardous Materials Spill Center, Control Point-1, the U1a Complex, Sedan Crater, the Mercury Fire Station, and the Wackenhut Services, Inc. (WSI) Training Center.

Children who remained at the North Las Vegas Complex also had a full day of activities planned for them. They were welcomed in the morning by NNSA/NV Manager Kathy Carlson who asked them what they wanted to be when they grow up. There were a lot of future doctors, lawyers, scientists, and teachers in the audience. Following the welcome, children were given the opportunity to do hands-on



Don McIntosh, Bechtel Nevada paramedic, talks to Take Your Children to Work Day participants about paramedics' roles at the Nevada Test Site.



Don DeCaria, Bechtel Nevada, demonstrates a new communications technique called Phase Shift Keying, 31 Baud (PSK31) to Take Your Children to Work Day participants. PSK31 allows amateur radio operators to communicate with the use of computers and keyboards.

Intruder Reconnaissance Vehicle on loan from Wackenhut Services, Inc.

Later in the day, children were able to tour the Nevada Test Site History Center, view a weather service demonstration, and try their luck at 3-D

science experiments and view several displays. They learned everything from how to design their own T-shirts, how static electricity works, pollution prevention, and weapons of mass destruction. The children also got a chance to tour an ambulance and fire truck on loan from the Mercury Fire Department and the Mobile



John Mooney, SCI, explains how a computer works to Anita Temple, SCI, and her grandson Stephan, at the Bring Your Children to Work Day Program.

computer modeling of Nevada Test Site geology. Each child received a certificate and goody bag at the closing reception to commemorate their day at NNSA/NV.

Many thanks to the following people for making *Bring Your Children to Work Day* a huge success: **Darryl Brock, SCI; Michael Brown, RAI ; Tamiko Brown, BN; Kathy Carlson, NNSA/NV; Tamara Collins-Culbertson, SCI; Sandy Cross, NNSA/NV; Joyce Curlee, NRE; Terri Logan Cuttaia, SAIC ; Vicky Davis, NNSA/NV; Heather Emmons, IT; Charlotte Franky, SAIC; Angela Gilmer, DTRA; La Tomya Glass, NNSA/NV; Sheril Hamlin, WSI ; Nancy Harkess, NNSA/NV; Bruce Hurley, NNSA/NV; Brandon Jautaikis, SCI; Elaine Jimenez, NNSA/NV; Andrea Kato, NNSA/NV; Kirsten Kellogg, NNSA/NV; Sandy Marshall, WSI; Linda Middaugh, BN; John Mooney, SCI; Jennifer Morton, BN; Ross Nelson, NNSA/NV; Yulonda Paige, NNSA/NV; Gary Pyles, NNSA/NV; Carolyn Roberts, NNSA/NV; Linda Schmith, NNSA/NV; Carol Shelton, NNSA/NV; Ken Small, NNSA/NV; Blanca St. Clair, NNSA/NV; Helen Stolz, NRE; and Rae Yuhas, WSI.**

Thank you also to the Nevada Support Facility cafeteria and the Nevada Employees Association for their continued support

of the *Bring Your Children to Work Day* program.

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Take Your Child to Work Day

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Bechtel Nevada's Take Your Child(ren) To Work Day 2002

by Tamiko Brown

On April 25, 2002, 154 children of Bechtel Nevada and Wackenhut Services Inc. (WSI-NV) employees participated in the annual Take Your Child(ren) to Work Day program.

Originally begun in 1992, Take Our Daughters to Work® Day provides girls with an understanding of possible career opportunities by allowing them to shadow their parent while at work. Beginning in 2003, the national organization will expand their program to include boys. The program's name will officially change to Take Our Daughters and Sons to Work® Day.

Locally, this year's event included two structured programs – an NTS tour and a North Las Vegas program. Children, ages eight to 18, attended the North Las Vegas program. Employees' children aged 14 to 18 were able to tour the Nevada Test Site or participate in the North Las Vegas activities.

The day began at 6:15 a.m. with 35 children heading to the Nevada Test Site on a Coach USA bus with **Dick Davis**, WSI, as the tour guide. The children observed or participated in hands-on fire fighting tactics and life saving procedures. They also received a briefing on the capabilities of the Site Operations Center at Control Point-1. The highlight of the tour was the WSI Training Center. It was hard tearing them away from the Firearm Training Simulator (FATS). The children participating on the NTS tour had lunch at the Mercury cafeteria, including a desert. **Cathi Tharin**, Bechtel Nevada's construction manager, and **Mary Maier**, WSI's deputy general manager, presented each participant with a certificate. The group had a photo taken to commemorate this year's program.

Fred Tarantino, Bechtel Nevada's general manager welcomed, the North

Las Vegas children and gave them an assignment to answer three questions: 1) What is Bechtel Nevada's first priority?; 2) What does PBSP stand for?; 3) How long has the Nevada Test Site been a part of National Security?

The North Las Vegas program had a fire truck and ambulance from the Mercury Fire Station. **Dennis Fulkerson** provided the older children with a counterintelligence briefing. The MIRV and Badger vehicles were on location for the children to view and WSI provided weapons safety training. Volunteers from the Nellis Remote Sensing Laboratory gave demonstrations on satellite communications and photography and videography. Both locations had a group photo taken to commemorate this year's program.

Children at North Las Vegas had the opportunity to have lunch with their parent and later see where their office was located. In a closing ceremony, **Brian Sheridan**, Bechtel Nevada's deputy general manager for national security response programs and operations, asked the children to list three cool things that they had seen during the day and to answer the three questions that Fred Tarantino had asked earlier in the day. The children ended the day on a sweet note with an ice cream treat. All children received a certificate of participation and will receive their group photos.

The following presenters and volunteers made this year's program a success:

Presenters - **Brett Benson**, BN; **William Botos**, BN; **Mike Childers**, NNSA/NV; **Don DeCaria**, BN; **Chuck Fauerbach**, BN; **Walter Foster**, WSI; **Dennis Fulkerson**, BN; **Jon Gallardo**, BN; **John Gamby**, BN; **John Gerard**, BN; **Steve Goldman**, BN; **Philip Gorka**, BN; **Christopher Hersh**, BN; **Keith Kolb**, BN; **James Lawler**, BN; **Don McIntosh**, BN; **William Nixon**, BN; **Jimmy Pechacek**, BN; **Doug Riererson**, BN; **Chris Swiger**, BN; **Ronald Wells**, BN; **WSI Training instructors**, and **David Young**, BN.

Volunteers - **Kurt Arnold**, BN;

Elizabeth Becerril, WSI; **Corey Bishop**, BN; **ST Brown**, WSI; **Tamiko Brown**, BN (Chairperson); **Lorraine Capitanelli**, BN; **Brenda Carter**, BN; **Dick Davis**, WSI; **Deborah Foster**, BN; **Jeffrey Gordon**, BN; **Frances Guinn**, BN; **Sheril Hamlin**, WSI; **Sandra Hayes**, BN; **Darlene Holseth**, BN; **Judith Lacuadra**, BN; **Cheryl Landholm**, NNSA/NV; **Sandra Marshall**, WSI; **Samantha Messer**, BN; **Kelly Meurrens**, BN; **Linda Middaugh**, BN; **Jennifer Morgan**, BN; **Jennifer Morton**, BN; **Jodi Navarrette**, WSI; **John Nelson**, BN; **Cheryl Oar**, BN; **Beth Shuffield**, BN; **William Skarda**, BN; **Nancy Tufano**, BN; **Rae Yuhass**, WSI; **the Mercury Cafeteria staff**; and **USA Coach**. The following individuals and organizations donated items for the special prize drawings at the North Las Vegas and Nevada Test Site programs: **Kurt Arnold**, **BEAT**, **Tamiko Brown**, and the **NTS Historical Foundation**.

RSL-Andrews celebrates Take Your Children to Work Day

by Wendy Cable

On April 25, seven children spent the day at Andrews Remote Sensing Laboratory (RSL-A). Children participated in interactive activities and learned a little bit more about what their parents do while at work.

Rebecca Mariano and **Wendy Cable** coordinated this event and provided the guests of honor: **Chris Cable**, **Nicholas Cable**, **Alexander Maurer**, **Jack Meade**, **Jenny Vojtech**, **Rich Vojtech** and **Matt Walker**, with a structured and informative itinerary.

At 7:00 a.m. children arrived at RSL-A and toured the building with their parents. The parents were then released and the activities began.

The first activity was "Find the Hidden Source," a demonstration by **Rick**

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Maurer and **Peter Heimberg** who showed the group how special backpacks and briefcases are used for detection. The children walked around and listened for hidden simulated sources by use of earphones.

A safety briefing was given to teach the children how to exit the building in case of an emergency. Outside they viewed a fire truck and met Sparky, RSL-A's dalmatian mascot.

At 10:00 a.m., **Jim Walker** and **Salee Wilson** gave a demonstration with digital cameras. Children were able to take pictures, download the images, and send them to friends/family via e-mail.

Next, **Luc Murphy** and **Eric Moore** demonstrated how liquid nitrogen can change the physical properties and phases of objects; he tested this on a rose, banana, and a nail. The group then made their own ice cream using liquid nitrogen and sampled their creation.

After lunch, the group was given an aviation lesson and **Dave Butler** showed children the interior of RSL-A's B-200 aircraft.



photo by Rick Maurer

Luc Murphy and Eric Moore demonstrate to the children how liquid nitrogen can change the physical properties of objects.

At 1:30 p.m. the group participated in a hands-on experiment using bubble gum to explore phase changes. Children watched bubble gum turn

from a solid to a liquid and back to a solid. After this sticky situation the children were then returned to their parents to shadow them for the remainder of the day.

Take Your Children to Work Day at Livermore Operations

By Jan Bisterfeldt

Eight future adults attended Livermore Operations Take Your Children to Work/Safety Day on April 25. The eight who attended were **Kaylee Ballstadt**, **Elizabeth Delash**, **Russell Jefferson**, **Hunter Peters**, **Kristen Ruocco**, **Jamie Thurman**, **Lindsay Thurman** and **Chelsea Wyatt**.

The first part of the morning was devoted to a "Post High School Graduation Budgeting Project." The students chose a fictitious roommate, job, apartment, and calculated the expected expenses. The future adults began to realize how difficult it was to survive on \$7.50 to \$10 per hour in the San Francisco Bay area.

During the second part of the morning, the students viewed an action-packed Earth Day/ Save the Planet presentation. After the presentation, everyone participated in a lively discussion on how the topic relates to them personally now and in the future.

For lunch the entire Livermore Operations Team was invited to a six-inch sub sandwich meal. During the lunch break a dessert bake-off was held. The judges, **Hank Wenzel**, **Tim Sammons** and **Tom Sinagra** had a tough time selecting the winners, but after "a lot of tastes," the following were awarded:

1st Place: **Kristen Ruocco** - Fantastic Fresh Fruit Pizza (Tort) Prize: 10- \$1 McDonald's Gift

Certificates
2nd Place: **Chelsea Wyatt** - Yummy "Worm in Dirt" (Chocolate Pie with

Gummy Worms) Prize: Five \$1 McDonald's Gift Certificates
3rd Place: **Hunter Peters** - Burstin' Berry Cobbler Prize: Three \$1 McDonald's Gift Certificates

After lunch, the future adults visited with **Hank Wenzel**, **Louis Ruocco**, **Larry MacNeil**, **Paul Parker** and **Leisa Wyatt-Russell** to learn how Livermore Operations functions. They also designed entries for the Bechtel Nevada Environment, Safety and Health (ES&H) 2003 Calendar Contest. At the end of the day, the students observed their parents complete one basic work-related task and watched an ergonomics checkup.



photo by Ann Thurman

(From left) Lindsay Thurman (daughter of Ann Thurman), Elizabeth Delash (daughter of Joseph Delash), Jamie Thurman (daughter of Ann Thurman), and Kaylee Ballstadt (sponsored by Ann Thurman) work on their "Budgeting Project." Elizabeth Delash won top honors for the closest and most realistic budget (she was the youngest team member).

This Six Sigma feature focuses on the Process Improvement Projects (PIPs) at the National Nuclear Security Administration Nevada Operations' complex. Over the next six months, a different article will detail each PIP, the team associated with the PIP, and the anticipated benefits and cost savings involved with implementing the recommendations of the PIP team.

Borehole Management PIP scheduled to speed up closures

by Jennifer Morton

Borehole Management Program workers anticipated 15 years to fill the 1,300 unused boreholes and wells on the Nevada Test Site, but with the help of the Borehole Management Process Improvement Program (PIP) closure completion is about to speed up.

In compliance with the state of Nevada's Department of Water Resources drilling and licensing regulations, the National Nuclear Security Administration Nevada Operations initiated the Borehole Management Program for plugging wells and boreholes which are no longer used in programs at the Nevada Test Site. The objective of well and borehole closure is to prevent the migration of contaminants, contaminated groundwater, and to prevent surface contamination from entering the subsurface.

Since the late 1950s, 4,000 wells and boreholes were constructed to support uses that range from water supply wells to large diameter nuclear device emplacements. The most recent constructed wells and boreholes were used



The crew removes tubing from a recently cemented borehole in preparation for demobilization.

to support the U.S. Department of Energy's weapons testing program.

The Borehole Management PIP team, midway through the Six Sigma evaluation process, continues to monitor and gather information on the Borehole Management Program in order to identify potential efficiencies for completion of well and borehole closures. Six Sigma's target is to identify methodologies to reduce the average cycle time and cost associated with the closure of a borehole by 10 percent. If the target rate is reached, the PIP team will save \$404,000 per year.

The Borehole Management PIP team, comprising **Jerry Bonn** (black belt), **Tom Fitzmaurice** (yellow belt), **Robert Green** (health physics), **Dennis Gustafson** (project task manager), **Tom Mulkey** (process champion), **Ken Ortego** (project manager/process owner), and **Wilbert**

Wharton (site supervisor), collect data through team meetings and interviews with key project personnel as well as through field observations.

The team then breaks down each stage of the process to determine the required time and resources. This enables the team to find areas that need reworking. Once enough information is available, the data is analyzed by statistical software. The process map is also devel-

oped to run a simulation model with the data collected using different variables that affect the closure cycle time.

The PIP is scheduled for completion by October 15, 2002. At that time **Ken Ortego**, Bechtel Nevada's Borehole Management Program project manager, will receive the control plan detailing the recommended changes.

"The PIP is running on schedule and most of the data needs are being captured," said **Jerry Bonn**. The immediacy of closure completion depends on NNSA funding. "If funding is increased, then more resources are assigned to the project. Part of the PIP process is to look at the cost benefit of assigning additional resources," added Bonn.

Sixty boreholes were closed this fiscal year; ten ahead of schedule.

The Meadows School competes in Washington, D.C.

by Kirsten Kellogg

In May, the Meadows School represented the Nevada region in the 12th Annual National Science Bowl in Washington, D.C. Team members **Heather Cringan**, **Patrick Hummel**, **Alan Micev**, and **Matthew Swetnam** battled wits against 63 high school teams from across the country for the national title.

In the end, Thomas Jefferson High School for Science and Technology from Alexandria, Virginia, won the competition and a two-week trip to the International Youth Science Forum in London, England.

Boulder High School of Boulder, Colorado, placed second, and Mission San Jose High School of Fremont, California, placed third, each winning a one-week research trip to an Energy Department facility.

The U.S. Department of Energy's (DOE) National Science Bowl is a highly publicized academic competition among teams of high school students who answer multiple-choice and short-answer questions in the fields of astronomy, biology, chemistry, physics, mathematics, computer science, earth science, and general science. The teams consist of five students and a teacher, who serves as an advisor and coach. The

competition runs in a round-robin format followed by a double-elimination final. Questions are submitted by scientists at all of DOE's facilities, as well as from other federal agencies and universities.

The Meadows School team was coached by teacher **John Milburn**. They won the regional title by defeating four-time champions, Reno High School, and 31 other high school teams from California, Arizona, Nevada, and Utah. The team received \$2,500 for their science and math departments, matching team book bags, a first place trophy, and an all-expense paid trip to the National competition.

Neighbors helping neighbors

by Kurt Arnold

The adage, "the third time is a charm," may be a true statement, but the fifth time proves that success is not always guaranteed by numbers. Bechtel Nevada volunteers who participated in this year's fifth annual Christmas in April project learned that success is the result of hard work and determination.

This year's project began the weekend of April 5 with removal of an old storage shed located on the Marie Fields' back patio. The major project for this weekend was the removal of the home's front concrete walkway.

The old "front step" was an obstacle for Marie Fields' electric scooter to enter and exit the front door. A few volunteers removed the front step and later poured a new concrete ramp to allow Marie's scooter to easily enter and exit her home. Other volunteers patched the interior walls, including the living room's paneled walls which were first "roughed up" by using handheld sanders.

Decorative faux bricks were removed from the wall in front of the kitchen sink. Carpeting was removed from the living room, hallway, and Marie's bedroom. Old tiles were removed from the kitchen, dining room, and master bathroom floors. The concrete slab underneath the two patio doors, off the kitchen, was crumbling and causing the doors to sag and



The front of Marie Fields' home before volunteers began any work.

stick. The concrete was chipped away and a new pad was poured. The two old patio doors were removed and a new one installed.

On April 12 and 13, volunteers primed and began painting the interior of Marie's home. Her kitchen wall,

paint. Volunteer electricians rewired outlets that were not working and began to rewire the stove/oven outlet.

The following weekend saw a dramatic change to Marie's home. The ceilings and walls in all the home's rooms were given a fresh coat of paint. New vinyl floor tiles were installed in the master bathroom and in the kitchen and dining room. New baseboards were placed around the living room and kitchen walls. Electricians finished the electrical work for the stove/oven and tested all the electrical outlets. New light fixtures were installed in the kitchen and dining room. A new stove hood was installed under the kitchen cabinet, which was remounted onto the wall. The home's exterior trim and window bars were primed.

On the final weekend, new carpeting and padding were installed in the living room, hallway, and master bedroom. New closet doors, with a fresh coat of paint, were installed in the bedrooms and in the hallway. New drapery rods and mini blinds were hung in the bedrooms and the living room. The biggest transformation was made to the exterior of the home. The home's exterior received a fresh coat of white paint and the trim a light blue coat. Several volunteers raked the back yard, trimmed the trees, lay sod in the front yard, and planted new flower beds. **Fred Tarantino**, Bechtel Nevada's president and general



The exterior of Marie's home after it received a fresh coat of white paint and the trim a light blue coat.

above the sink, was resurfaced. The toilet in the hallway bathroom was replaced with a new, handicap-accessible model. A new vanity and sink were installed in the master bathroom. The home's exterior walls were patched and the outside trim was scraped in preparation of a new coat of

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Neighbors helping neighbors

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manager, visited the project site and met with Marie and members of her family.

At the end of the final day, the number of days and hours to complete the job did not matter. The dedicated volunteers could see the results of their hard work reflected on the smiles of Marie and her family's faces as they settled back into their renewed home.

The hard work and determination of the following people enabled the success of this year's project:

Kurt Arnold (Team Coordinator); **Richard**

Avina; Fred Beecher; John Birkland; Vicky Birkland; Tamiko Brown; Brenda Carter (Home Ambassador); **Nelson Cochrane; JL Ecker; Carla Ellis; James Faglier; Dennis Finney** and his wife Cheryl Rodriguez; **Roger Flanagan; Don Foster;**

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Gary Gardner and his wife Michelle; **Robert Hill; Janet Hough-DiLorenzo; Brad Joseph; Lee Kapit; Darrell "Duke" Killen; John Kitt** and his daughter Raina; **Judith Lacuadra; Dan Loney** and his wife Debby; **Kenny Machynia; Kurt**

Irina; Biff Thompson; Mike Thompson, Gary "Thor" Thormahlen; Cle Threats (House Captain) and his daughter Moneica; **Paul Toles; Nancy Tufano; Fred Watson; DL Whittington, and Sam Williams.**



Marina Tharin (right, daughter of Cathi and Lou Tharin) helps Jeanie Sexton (left, daughter of Ann Sexton) trim branches on one of Marie Fields' front yard trees.



Team work is an important aspect of Christmas in April work. Dennis Finney (left) lends a helping hand as John Kitt installs a new security door on Marie Fields' home.

Martinez; Gilbert Medina; Steve Metta; John Millender; Any Moore; Tommy Joe Morrissey; Kelly Murphy; William "Frenchy" Nichols and his wife, Barbara; daughter Geneva, and son Luke; **Cheryl Oar; John Pennington, Sr.; Phyllis Radack; Harry Saxton; Ann Sexton** and her husband Charlie, and daughter Jeanie; **Ralph Somers; Randy Summers; Cathi Tharin, Lou Tharin,** and daughters Marina and

Two high schools, Mojave High School and Silverado High School, offered volunteer students to join in participating in this year's project. Students who gave up a Saturday included:

Mojave High School
Kurt Cady, Kristopher Dalton, Brett Donaldson, Aaron Gentil, Robert Hill, Nicholas Kennedy, Ryan Raagan, Kevin Rafferty (parent), Matt Rafferty, Ericka Rockwood (teacher and coach), James Tuitama, and Neil Vogt.

Silverado High School
Steven Castiblanco, Xiera Desamero, Nicole Dupre, Miren Guenechea, Johnson Kuo, and Marites Molina.

A special thanks to Dr. Fisher, Home Depot, Nevada Linen Supply (Cheryl Lydon), Nina Cleaners, and Port of Subs for their generous donations and discounts.

In the next issue of SiteLines...

- * Accelerated NTS cleanup
- * Motorola Weblink Wireless dedication
- * Six Sigma update

Beyond the call

Bechtel Nevada employee receives CEM designation

by Jennifer Morton

Congratulations to Bechtel Nevada employee, **Michael Petullo** who recently received the Certified Emergency Manager (CEM) designation, the highest honor of professional achievement available from the International Association of Emergency Managers (IAEM).

Petullo, a senior technician who works in emergency management, joined 28 other selected candidates completed an extensive credential package, a management essay in response to a scenario the person might face while fulfilling emergency management responsibilities, and a written examination. Certification is effective for five years at which time professional development and commitment to the emergency management profession are required for recertification.

The IAEM is a nonprofit educational organization dedicated to promoting the goals of saving lives and protecting property during emergencies and disasters. In its membership, there are more than 1,800 emergency managers representing local, state, and federal government; private industry; and military emergency managers. The emergency management certification program was developed over the last several years by IAEM and is funded by the Federal Emergency Management Agency.

Inventors receive monetary awards

by John Elliott

Five inventors, whose ideas were turned into patent applications, received individual monetary awards

of \$250 from Bechtel Nevada.

Inventors receiving awards for their patent applications included:

Curt Allen, Special Technologies Laboratory in Santa Barbara, Calif., for "Human Motion Detector," a radar technology for locating people buried in rubble.

John DiBenedetto and Kevin Kyle, Special Technologies Laboratory in Santa Barbara, Calif., for a forensic technology which visualizes dried blood.

Intellectual Property

Intellectual property is the explosive growth area of the information age. The term covers patents, copyrights and trademarks and how businesses can license and transfer these rights as if they were actual physical property.

Bechtel Nevada's execution support group covers other aspects of technology transfer including cooperative research and development agreements (CRADA); work for others (WFO); and non-disclosure agreements.

Robert Buckles and Boris Yen (retired), Livermore Operations in Livermore, Calif., for "Series Transmissions Line Transformer," an impedance matching technology for electronic circuits.

As part of management and operating contract with the National Nuclear Security Administration Nevada Operations, Bechtel Nevada conducts technology transfer activities for technologies invented in the course of business. Under Bechtel Nevada's technology transfer program, employees associated with developing technology that has potential commercial use are listed

individually on the patent. Any licensing fee or royalties received from the commercial development of the technology are shared with the patentees with a portion used to reinvest back into research and development activities and the remainder used to fund additional patent work.

This year marks the first time that employees have received patent application awards. These awards were designed as an incentive to encourage other inventors in the company to submit their ideas for patentable inventions.

For additional information about Bechtel Nevada's Technology Transfer Program or assistance in filling out the patent application form, contact **John Elliott, BN (702-295-0256)** or **Cheryl Miller, BN (702-295-2978)**.

BN employee is team leader at high school ethics seminar

by Jann Bisterfeldt

"Ethics," a highly regarded training topic within Bechtel Nevada, was the topic at a recent Livermore, California high school workshop. **Allen Riddle**, Livermore Operations' mechanical engineer, served as one of the team leaders for this inaugural event.

This event, supported by the Tracy Unified School District's program "Character Counts!" (a project of the Josephson Institute of Ethics), emphasizes six pillars of character: trustworthiness, respect, responsibility, fairness, caring, and citizenship.

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Beyond the call

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As team leader, Riddle guided his group of eight students, ranging in age from 14 to 18, through a discussion pertaining to the various issues brought up by keynote speakers. Some of those issues revolved around the importance of character development, the types of characteristics that tend to make some people more successful than others, and what characteristics employers seek during the hiring process. The group also formulated and presented appropriate questions related to those issues.

The day included a financial activity during which they chose a lifestyle and were able to evaluate their cost of living. Upon completion, "they could begin to see that \$8.00 per hour at the mall was not going to cut it for the rest of their life," expressed Riddle. "The activity was particularly successful and opened the eyes of more than one student. They were unaware of how much their parents subsidized their lifestyle," he added.

Finally, a karate club demonstrated their skills and spoke to students on their experiences of escaping drugs, gangs, and building their self-confidence by enrolling in a school of karate and learning to promote a balance of the mind, body, and spirit.

"The entire event was very successful and did a good job of helping students mentally bridge the gap between high school, college, and/or the workplace," Riddle said summing up his experience at this year's event.

According to Linda Spaulding, character education coordinator for Tracy Unified School District, Riddle was chosen because "he is an excellent example for our students."

"This all-day event, which judging from the enthusiasm generated, will become an annual event," said Spaulding.

ABCD Award winners

by Sharil Hamlin

Wackenhut Services, Inc. (WSI) recognizes employees who go beyond the call of duty with a special award. The award known as Above and Beyond the Call of Duty (ABCD) has been awarded to the following WSI employees:

Hershel Parks was presented an ABCD award for the outstanding job he did while serving as the supply sergeant in the absence of the regularly scheduled individual.

John Holliday performed the duties of the vehicle sergeant in an exemplary manner over the past three months, which resulted in him receiving an ABCD award.

An ABCD award was given to **Leo Price** due to his outstanding support that he continually provides to all customers, both internal and external.

M. Keith Frandsen celebrated his 40th anniversary with WSI on May 6, 2002.

Lessons Learned

Summer, a season of changing conditions

by Dawn Starrett

In most areas of the country, summer is associated with enjoyable weather conditions. Summer in the desert consists of dry winds, intense sun, and extreme heat. These changing conditions can result in unsafe situations when traveling to work, while at work, or when leaving work.

There are many hazards associated with the wind. The wind can dehydrate workers at a faster rate, but it can also decrease visibility and create dry, dusty conditions that may require some type of dust suppression. Safety glasses are not designed to protect against airborne dust and dirt particles.

The bright, reflective sun can also cause problems. A few years ago, a pedestrian was hit by a vehicle at Rocky Flats, Colorado. The position of the sun in the driver's face and a dirty windshield were part of the causes. Visibility is extremely limited to the east during the morning and to the west in the evening hours. Drivers can help decrease the hazard by wearing sunglasses, keeping windshields clean, and using their sun visors. Pedestrians need to remain alert to traffic conditions and ensure that drivers have seen them before proceeding in crosswalks or when crossing intersections.

Heat may increase the air pressure within a sealed drum. It becomes a hazard to an unsuspecting worker when preparing to open the drum. Aerosol cans, and other containers with contents under pressure,

may explode if left in an enclosed vehicle during high temperatures. A normally stable compound may become unstable at elevated temperatures. Gas containers left in direct sunlight for long periods of time can explode. Vehicle tires experience dry rot from sun damage which creates the potential for a blowout.

Evaluate work scopes for potential heat-related hazards and other changing conditions. To ensure worker safety, planning documents should consider changing conditions and incorporate lessons learned, whether from here or from other facilities.

If you have a lesson learned related to changing conditions, contact **Dawn Starrett**, site lessons learned coordinator (702-295-4297).

Affirmative Procurement – Closing the recycle loop

by Al Karns

In previous articles, they addressed how employees at federal facilities are required by law to recycle. Making sure our recyclable materials are placed into the recycling containers is the first step of the recycle loop.



The second step of the recycle loop is making new products out of the material. Items that have been placed into recycling containers eventually make their way to a manufacturer. At the manufacturing plant, these items are melted or broken down and made into new products. Aluminum cans are melted down and made into new aluminum cans or aluminum lawn furniture. Plastic bottles are melted down and made into carpet, new bottles, and our famous P2 T-shirts. Paper and cardboard are turned into pulp and made into new paper products. Even old tires are recycled into drip irrigation hose.

Most of us are familiar with these first two steps, but what about the third step? The third step is called **affirmative procurement**, the process of buying goods that have been made with recycled or remanufactured materials (also known as buying green). Once again, federal law, the Resource Conservation and Recovery Act (RCRA), requires employees at federal

facilities to purchase certain items made with recycled materials.

This law is governed by the Environmental Protection Agency (EPA) which has published a list of items that, when purchased, must contain recycled materials. The EPA-Designated List contains the following 55 categories of products. When an item is purchased that falls into one of these categories, it must contain a minimum amount of recycled or remanufactured materials. A few examples include:

Landscaping Products

Garden and soaker hoses

Hydraulic mulch

Paper-Based Hydraulic Mulch

Wood-Based Hydraulic Mulch



Plastic lumber landscaping timbers and posts

HDPE

Mixed

plastics/Sawdust

HDPE/Fiberglass

Other mixed resins

Lawn and garden edging

Plastic and/or

Rubber

Compost made from yard trimmings or food waste

Vehicular Products

Engine coolants

Re-refined lubricating

oils

Retread tires

It is the responsibility of every employee who purchases an item to find out whether that item is on the designated list or not. If the item is, it must contain recycled material. Purchasing an item on the EPA-Designated List containing virgin materials requires one of the following justifications:

- Product is not available within a reasonable period of time.
- A product does not meet appropriate performance standards.
- A product is only available at an unreasonable price.
- There is not adequate competition.

Buyers, P-Card holders, and people issuing blanket releases must ensure that affirmative procurement procedures are followed. By doing so, we stimulate a market for these products which brings down their price, making them more competitive with similar items made with virgin materials.

To view the categories, visit www.epa.gov/cpg/products.htm For additional information on affirmative procurement, contact **Al Karns**, Bechtel Nevada (702-295-5689).

Buying green closes the recycle loop.



Bechtel Nevada

35 years *Las Vegas* - **Charles Mitton, Marv Wollins;**
Nevada Test Site - **Bobby Witt;** *Los Alamos Operations* - **Albert Salazar**

30 years *Las Vegas* - **Jacquelynn Smith, Wilbur Tipton;**
Los Alamos Operations - **John Echave**

25 years *Las Vegas* - **Edythe “Dee” Boyd, Gail Cohn;**
Nevada Test Site - **James Fisher, Jr., Donald Le Claire**

20 years *Las Vegas* - **Kendall Braithwaite, Stanley Brewster, Linda Hansen;** *Nevada Test Site* - **Richard Olson;** *Los Alamos Operations* - **Cenobio Gallegos, Ronald Ramsey;** *RSL-Andrews* - **Ardena Carr**

15 years *Las Vegas* - **James Scherr, Ray Tibbits, Jr.;**
Nevada Test Site - **Dawn Fletcher;** *Los Alamos Operations* - **Douglas Devore, Brent Frogget**

10 years *Las Vegas* - **Carol Perry;**
Nevada Test Site - **John Kozsan, Mark Krauss, Denise Saporiti;** *Special Technologies Laboratory* - **Howard Wong**

5 years *Las Vegas* - **Ronald Butters, Dallin Wrigley;**
Nevada Test Site - **Frank**

Lopez, Michael 20 years

Simpson, Michael 15 years

Thompson; *Special Technologies Laboratory* - **John Flournoy;** *Los Alamos Operations* - **Joyce Towell** 10 years

New Hires *Las Vegas* - **Paul Adams, Elizabeth Atkins, Teri Baca, Nicole Benavidez, Charles Carns, Carlos Figueroa, John Frasca, Mark Hedges, Gerald McCormack, Jr., April McHenry, Erik Nielsen, George Powell, Barrett Shaw, Stephen Swanson, Daniel Ward;**
Nevada Test Site - **LaTonya Carson, Jerry Dugas, Kimberly Fry, Brian Garrett, David Lanier, William Tempelton, Ronald Warren;** *Special Technologies Laboratory* - **Clare Kimblin, Brian Maddux, David Piasecki;** *Los Alamos Operations* - **Craig Kruschwitz, Heather Leffler**

National Nuclear Security Administration Nevada Operation Office
 20 years **Bruce Stolte**

15 years **Angela Harvey, Bruce Hurley, Mark McCusker**

10 years **Bobbie McClure**
Desert Research Institute

John Watson

Clay Cooper, Shellie Dawson Dorothy Miller, Steve Mizell

Travis Mcord, Susan Edwards, Winfrey Whitfield

Barbara Jackson

IT Corp.
 10 years **Patricia Luke**

5 years **Candice Fillmore**

SCI
 5 years **Anita Temple**

Lawrence Livermore National Laboratory
 20 years **Donald Felske, Steven Stark**

Los Alamos National Laboratory
 20 years **Clifford Oliver**

Ruchman Associates Incorporated
 5 years **Darlene Meissner**

Wackenhut Services Inc.
 25 years *Las Vegas* - **Howard Hoye;** *Nevada Test Site* - **Deloy Martinez**

15 years *Las Vegas* - **Roxianna Frehner, Vivian Valvo**

10 years *Nevada Test Site* - **Charles Stronach**

— *Compiled by Tamiko Brown*

Partnering

for

Education



This new feature will highlight the programs and activities of the U.S. Department of Energy Nevada Operations Office and Bechtel Nevada's partnership with the Clark County School District's Focus School Program.

Space Day 2002

by Judith Lacuadra

Jim Bridger Junior High School was one of 34 lucky Nevada schools selected to participate in Space Day's "Student Signatures in Space." Limited space requirements aboard each Space Shuttle make the signatures a very rare piece of cargo.

Space Day's "Student Signatures in Space" is an opportunity for elementary and middle school students to send their personal signatures into space on the U.S. Space Shuttle. Sponsored by the National Aeronautical and Space Administration (NASA) and Lockheed Martin Corporation, 500 schools each year are chosen to participate in this exciting program. The goal is to ensure that all 50 U.S. states are represented in the program each year.

There is no cost to the schools to participate in this program. All costs, including all shipping costs, are generously paid for by Lockheed Martin Corporation.

Selected schools, including Jim Bridger Junior High School, were sent giant posters for their students to sign for Space Day, held each May. Participants return the posters to Lockheed Martin where the posters are individually photographed and the negatives then sent to NASA. NASA packages the negatives and includes them in the manifest of a scheduled U.S. Space Shuttle mission this fall. The mission selected is always launched in the fall to ensure that most schools are in session and allows the students to follow "their" mission.

After the mission is completed, the posters are returned to the schools for display, along with an official NASA certification verifying the signatures flew in space. A photo of the crew that took the signatures up into space is also presented to each school.

Space Day is now in its sixth year and its goal is to advance science, math and technology and to inspire young people across the world to participate and get enthused over the space program. Space Day 2001 marked the mission with the two millionth signature flown through space.

John Glenn is co-chair of Space Day 2002. Glenn piloted the Mercury-Atlas 6 "Friendship 7" spacecraft on the first manned orbital mission of the United States in 1962. Glenn's return to space in 1998, at the age of 77, is among the most remarkable achievements in NASA's history.

For additional information on Space Day Nevada, contact co-chair **Mary Nichols, BSC (702- 295-1190)** or co-chair **Dave Nichols, BN (702-295-2622)** or visit www.spaceday.com.

Accelerated Reading winners for April

by Judith Lacuadra

Jim Bridger Junior High School has three winners for their Accelerated Reading program for April: **Alexis Fernandez, Zachary Marshel, and Jasmine Williams**. The three students will receive basketballs, provided by Bechtel Nevada, as their prize.

The April winners for Kit Carson Elementary School's Accelerated Reading program are: **Shalice Allen, Monick Anderson, Jose Barreto, Na'Stasha Bell, Naya Givens, Channel Green, Keelan Harvey, Pa'Tina Horner, Tikimothy Jerkins, Curion Jones, Jarris McCraney, Francine Mitchell, Troy Reyenosa, Jajuan Shumate, Clifford Smith-Finks, Kasandra Thrower, and Mayra Vargas-Juarez**. The winners will receive prizes given to the school by Bechtel Nevada.

Congratulations to all the readers.

Field Day at Quannah McCall

by Kirsten Kellogg

The school year is quickly winding down, and students and teachers alike are working hard to prepare for the tests that will promote students to the next grade level. In the midst of all the studying, Quannah McCall Elementary School students got a chance to have some fun during the school's annual Field Day.

On April 25 and 26, more than 400 students in the first through fifth grades let off some steam by running, jumping, crawling, and climbing their way through the Field Day activities. Anticipating that the students could use a snack after all of that exercise, the National Nuclear Security Administration Nevada Operations

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CALENDAR OF EVENTS

June 11 (11:30 a.m. to 12:30 p.m.)
Energizers Toastmasters club meeting. Amargosa Conference Room (C112), Nevada Support Facility. Contact **Alice Shillock, BN (702-295-5581)**.

June 19-20
Annual Nevada Test Site Classification Symposium. Nevada Support Facility, North Las Vegas, Nev. Contact **Hilda Guerrero, NNSA/NV (702-295-0178)**.

June 20
NTS Public Tour, open to interested members of the public. CP-1, Sedan Crater, Frenchman Flat, HAZMAT Spill Center, Bilby Crater, Area 5 Low-level Radioactive Waste Management Site, Apple II houses. Contact **Brenda Carter, BN (702-295-0944)**.

June 26 (11:30 a.m., repeated at 12:15 p.m.)
NNSA/NV's Brown Bag Film Series: "Hardtack." Great Basin Room (A-106), Nevada Support Facility. Contact **Jeff Gordon, BN (702-295-1628)** or **Michael Brown, RAI (702-295-0552)**.

June 25 (11:30 a.m. to 12:30 p.m.)
Energizers Toastmasters club meeting. Amargosa Conference Room (C112), Nevada Support Facility. Contact **Alice Shillock, BN (702-295-5581)**.

July 4
NNSA/NV and contractor offices closed in observance of Fourth of July holiday.

July 9
Energizers Toastmasters club meeting. Amargosa Conference Room (C112), Nevada Support Facility. Contact **Alice Shillock, BN (702-295-5581)**.

July 23
Energizers Toastmasters club meeting. Amargosa Conference Room (C112), Nevada Support Facility. Contact **Alice Shillock, BN (702-295-5581)**.

July 24 (11:30 a.m., repeated at 12:15 p.m.)
NNSA/NV's Brown Bag Film Series: "Buster - Jangle [Part I]." Great Basin Room (A-106), Nevada Support Facility. Contact **Jeff Gordon, BN (702-295-1628)** or **Michael Brown, RAI (702-295-0552)**.

July 25
NTS Public Tour, open to interested members of the public. CP-1, Sedan Crater, Frenchman Flat, HAZMAT Spill Center, Bilby Crater, Area 5 Low-level Radioactive Waste Management Site, Apple II houses. Contact **Brenda Carter, BN (702-295-0944)**.

August 21
NTS Public Tour, open to interested members of the public. CP-1, Sedan Crater, Frenchman Flat, HAZMAT Spill Center, Bilby Crater, Area 5 Low-level Radioactive Waste Management Site, Apple II houses. Contact **Brenda Carter, BN (702-295-0944)**.

September 24
NTS Public Tour, open to interested members of the public. CP-1, Sedan Crater, Frenchman Flat, HAZMAT Spill Center, Bilby Crater, Area 5 Low-level Radioactive Waste Management Site, Apple II houses. Contact **Brenda Carter, BN (702-295-0944)**.

Declassified Film Showings
For information on declassified film showings at NTS CP-1, contact **Denise Langendorf (702- 295-4015)**. For information on declassified film showings at NTS Yucca Mountain, contact **Rod Rodriguez (702-295-5825)**.

Upcoming conferences and trade shows

June 9-12
Safety 2002 "Advancing the EH&S Profession." Opryland Convention

Center, Nashville, Tenn. For additional information, visit American Society of Safety Engineers' (ASSE) web site (www.asse.org/annual_conf_main_text.html).

June 9-13
American Nuclear Society's 2002 Annual Meeting, "The Revival of the Nuclear Power Option." The Westin Diplomat Hotel, Hollywood, Fla. For additional information visit ANS's website (www.ans.org/meetings/annual/).

June 16-20
Health Physics Society's 47th Annual Meeting. Tampa Convention Center, Tampa, Fla. For additional information visit HPS' website (www.hps.org/newsandevents/hpsconferences.html).

July is:
**Cell
Phone
Courtesy
Month**



Partnering for Education

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Office (NNSA/NV) provided special treats to all of the participants and teachers.

A great time was had by all of the students, teachers, and volunteers. Everyone was a winner so congratulations to all of the participants.

If you would like to volunteer for upcoming Quannah McCall activities, contact **Connie Barricks**, NNSA/NV (702-295-1280).



photo by Elizabeth Donnelly

A Quannah McCall student leaps through a tire obstacle as part of the school's Field Day activities.



photo by Elizabeth Donnelly

Three Quannah McCall students race toward the finish line during one of the many activities at the school's annual Field Day.

SITELINES

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Darwin J. Morgan, Director, Office of Public Affairs and Information.
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