

## Y-12 celebrates first production unit for B61

“... the milestone achieved by Y-12 is the culmination of several years of cooperative planning, development, engineering and testing by the design agencies and production facilities.”

~Tom D’Agostino, NNSA deputy administrator

The Y-12 National Security Complex celebrated a significant milestone in March—completing the first production unit of the B61 Alteration 357 Life Extension Program. The B61 Alt 357 is a nuclear bomb that can be carried by various military aircraft.

“We are on schedule with this milestone and moving forward in the B61 LEP. Y-12 is proud of this achievement, and we congratulate the employees who have worked hard to make this happen,” said George Dials, president and general manager of BWXT Y-12.

Tom D’Agostino, National Nuclear Security Administration deputy administrator for Defense Programs, said, “This is truly a complex-wide team, and the milestone achieved by Y-12 is the culmination of several years of cooperative planning, development, engineering and testing by the design agencies and production facilities.”

Doug Dearolph, acting site manager for the NNSA Y-12 Site Office, said, “This would not be possible without the work of the Y-12 employees who provided the skills necessary to produce a quality product. Standing behind that work and making it possible are multiple teams and individuals across Y-12 who planned and devised manufacturing processes and solved tough technical problems.”

Planning for the B61 Alt 357 program began in 2000 with Los Alamos National Laboratory acting as the design agency for the system. The program will be in production through 2008.

LEPs at Y-12 are directed toward the production of refurbished, replaced and/or redesigned weapons components. Activities include



Y-12 Deputy General Manager Steve Liedle signs the congratulatory banner commemorating the first production unit of the B61 LEP.

production of materials and parts, activities supporting direct manufacturing specifications and procedures, and training personnel needed to meet steady-state production rates.

Production of the Trident (W76) is scheduled to begin soon. When this happens, Y-12 will have two weapon systems in simultaneous production for the first time since the 1980s.

## Target Zero

*At work, home and play*

# ZERO

BWXT Y-12 Safety Expo Oak Ridge Mall June 21, 7 AM–4 PM

Planning for **Safety Expo 2006** is under way! This year’s expo will be held June 21 at the Oak Ridge Mall from 7 a.m. until 4 p.m.

For questions about the expo, contact this year’s chair, Ryan Williams (r5b; 574-8116). Stay tuned to YSource and the BWXTymes for more information.

Let’s target in on safety at home, work and play, and make Target Zero the best Safety Expo ever.

## WHAT’S INSIDE

Their cups runneth over	3
Heartbeats of Y-12 Reaching out to our communities	4
Burn, baby, burn	6
Organ transplant	8

# Cans for charity



Front row (left to right): Tom Christman, Lynn Petr (STAR), Teri Kellogg, Joyce Disney (Keystone), Doug Mullins (Ronald McDonald House), Jan Jackson and Aprell Patterson. Back row (left to right): George Dials, Sharon Williams (Shades of H.O.P.E.), Keith Swinney (CAMP), Dan Harvey (ADA) and Chuck Strayer.

For six area charitable organizations, recycling aluminum beverage cans at Y-12 is a sweet deal.

The Aluminum Beverage Can initiative, part of the Y-12 Pollution Prevention Program, donated \$1,200 to six local charities in Anderson, Knox, Loudon and Washington counties in a ceremony held April 18.

The ceremony was held in conjunction with Earth Day, April 22. George Dials, BWXT Y-12 president and general manager, presented each charity a check for \$200. He stated that there is nothing more important and more meaningful than giving back to communities and was pleased to be a part of the ceremony.

If you would like to learn more about the chosen organizations, how to nominate your favorite organization or how easy and important it is to recycle, please visit the Pollution Prevention website.

Donation recipients include: American Diabetes Association; Cooperative Appalachian Marrow Program; Keystone Adult Day Program; Ronald McDonald House; Shades of H.O.P.E. Inc.; and Shangri-La Therapeutic Academy of Riding.

# Obituaries

**Garry L. Gordon Sr.**, a machinist in Manufacturing, passed away April 20. He had been an employee at Y-12 for almost 21 years.

He was of Baptist faith and a veteran of the U.S. Marine Corps. He is survived by his two sons, Garry Lee Gordon II of Oak Ridge, and Adam Benjamin Gordon and wife, Misty, of Oak Ridge. He is also survived by two grandchildren, Summer Noelle Gordon and Garry Lee Gordon III.

In his spare time, Gordon enjoyed being with his family and friends.



Garry L. Gordon Sr.

**Jim Bass** of Building Services passed away April 2. He had been a Y-12 employee for 29 years.

He was a member of Mineral Springs Baptist Church and a U.S. Army veteran.

He served as president of both Central Labor Council of Knoxville and S.E.I.U., Local Union No. 166.

Bass was an avid fan of fishing and hunting and treasured spending time with his family and many friends.

Survivors include his wife Sherry; daughter Corinna; and mother Ozia Harness Bass, all of Oliver Springs.



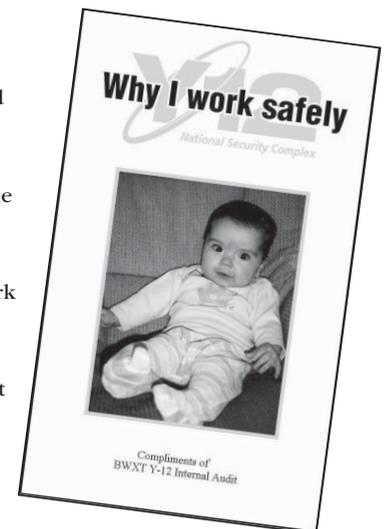
Jim Bass

# Picture this

You've seen co-workers who have cute photo badges of their loved ones behind their employee badges. Want to know how you can get a photo of your child, spouse, grandchild or pet laminated as a badge card? Check out the Internal Audit Safety Expo booth.

When you're attending this year's expo, come prepared with a wallet-sized photo of your loved one. You can have the photo laminated and show others what motivates you to work safely.

These photo cards have been a hit at Safety Expo for several years, and this year will be no exception. See you at the expo!



# Cups and bottles aid others

*Engineering's Mark Eisenbauer's volunteer work with a school in Haiti helped turn many Y-12 employees into volunteers when they were asked to donate water bottles and cups. Eisenbauer reports back as to what happened to the more than 1,000 donated bottles.*

Thank you to everyone who donated water bottles and cups during the collection last fall. Your generous response is much appreciated.

Upon arriving at Saint Louis du Nord, the team got right to work on the water project. When I unpacked my supplies I was amazed nothing got broken or lost during the journey.

Drinking water for the children is pumped using solar power from the existing well into processing tanks for sterilization. Using gravity, the water then flows through a 0.75-inch buried pipe about 850 feet to the school and parish center for distribution. Six spigots were installed for the students' use.

Local children provided drum music for us while we worked. They sure helped us forget the heat and our tired muscles.

There is no electricity or other infrastructure in the area, but I am happy to report that for the first time ever 1,050 children at the Saint Louis du Nord school have filtered and sterilized drinking water. Teachers, administrators and the children were thrilled with the bottles and cups.

The water system was commissioned and blessed in a ceremony during which everyone drank some of the first water to flow from the system. Local dignitaries and the mayor of the village were invited. Because this is the first water sanitation system installed at the parish, there is a strong desire to use it as a model for future systems. It was a wonderful and emotional celebration.

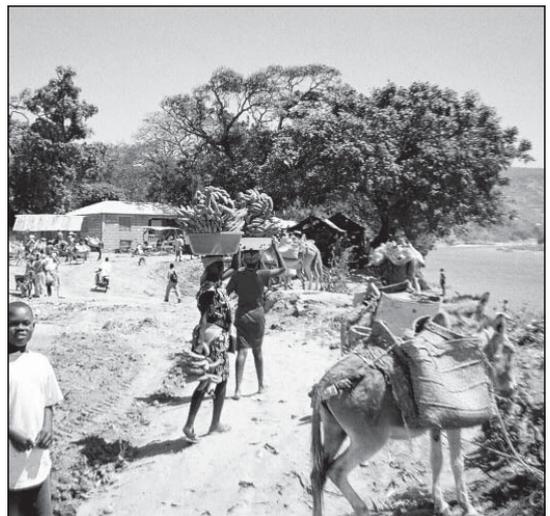
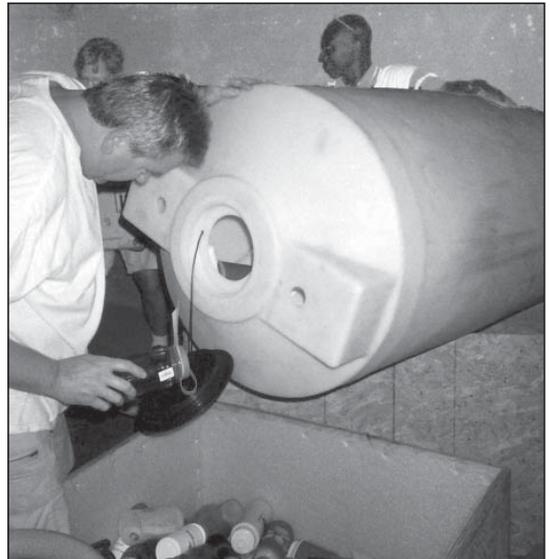
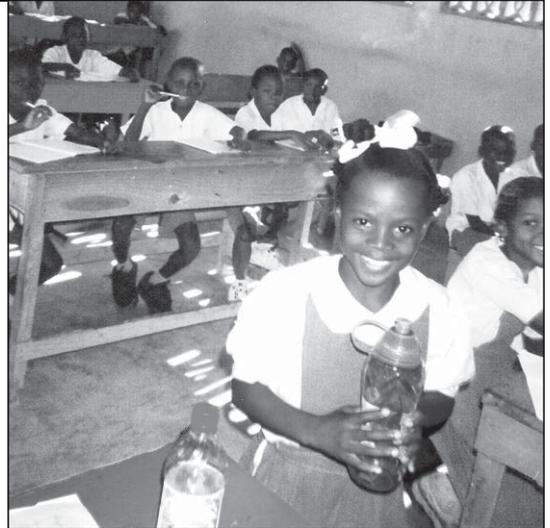
Thank you for making a difference. I fully expect the improved water quality and sanitary drinking vessels to improve the health of these children.



Top photo: A Haitian girl is one of 1,050 children at the Saint Louis du Nord school who has filtered and sterilized drinking water for the first time.

Center photo: Mark Eisenbauer unloading the donated water bottles from a large water tank.

Bottom photo: The area is a poor one without much infrastructure. Visiting Haiti makes outsiders appreciate what they have. Women carry fruits and vegetables on their heads to get items to the market.



**Connie Dunn**

**Facilities and Compliance Management**

“My desire to make a difference in other people’s lives drives me to volunteer with Alpha Kappa Alpha Sorority, and it started back in high school. I was sitting in church one Sunday during my senior year and heard the verse ‘If I can help somebody, as I pass along, then my living shall not be in vain.’ I was moved by the words, and I realized then that I was destined to go out and use the gifts and talents that I was so blessed with.

“I could speak of many heartfelt memories, but the one closest to me is the Debutante Ball our sorority sponsors biennially for high school junior and senior girls. This event provides several college scholarships for participants with high scholastic standing and outstanding essay writing.

“We also provide workshops on business and financial affairs, self-defense and dining etiquette. We also tutor kindergarten through third-grade children at the Scarboro Community Daycare Center, through our Ivy Reading AKAdemy program.”



Connie Dunn volunteers at workshops for high school girls.



Kathryn King-Jones, in costume as astronaut Sally Ride, reads to a class.

**Kathryn King-Jones**

**Public Affairs and Communications**

“I volunteer as a response to the blessings in my life and in the hope that I can, in some small measure, bless the lives of others. I work with several organizations: the March of Dimes, Boy Scouts of America, Junior Service League of Maryville Toys for Tots, American Youth Soccer Organization and the Red Cross clinic at Fort Craig Elementary.

“One soccer season, a child was transferred to my team because of a bad experience the previous season. He had some attention issues, like most 6-year-olds, but he was a good kid and a reasonable athlete. During a game, a player got by him, and he looked at me and asked, ‘Am I still in the game?’ With tears in my eyes, I told him that he was most certainly in the game. I could not believe that anyone would make a child feel that he deserved to be punished for letting a player get by him.

“I enjoy winning as much as anyone, but there are so many more life lessons that can be learned through sports.”

**Eddie and Elaine Warren**

**Analytical Chemistry and Public Affairs and Communications**

Elaine: “Seeing the needs of the homeless every time I go to the shelter drives me to volunteer.”

Eddie: “I volunteer because of Elaine. Working with the Volunteer Ministry Center has become very personal to her and I help because I want to support her in that effort.”

Elaine: “Although we may never be able to solve homelessness in East Tennessee, we can help by sharing a coat, a blanket, some baby food and other necessities to help comfort someone in need.”

Eddie: “A few years ago I had the opportunity to share a dinner table at the VMC with two homeless gentlemen who also happened to be veterans. One was in dress uniform with a chest full of badges and ribbons. I learned that he was homeless and that he kept his uniform in a locker at the shelter to wear at such occasions.

“The other gentleman was in civilian dress and I learned that he had been a pilot in Vietnam and had suffered from alcohol addiction after the war and ended up homeless. He was in the center’s rehab program for substance abuse, had a job, and was on his way back to an independent life.

“After that dinner I became aware that the price of freedom is not always paid on a foreign battlefield.”

Elaine Warren delivers coats to the Volunteer Ministry Center.

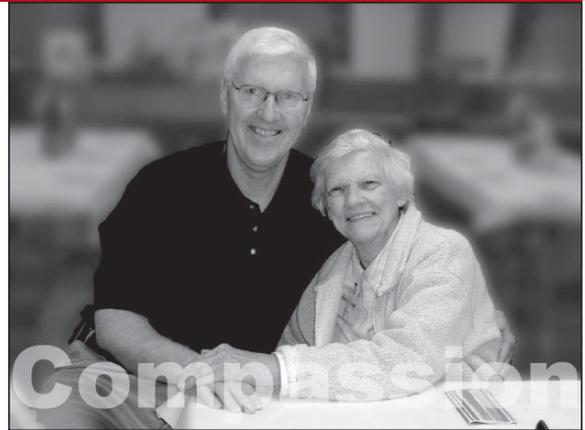


**Burt Tackaberry**  
**Behavior Based Safety**

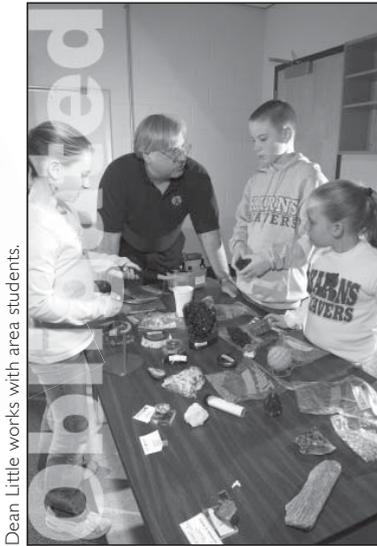
“I used to be a long-distance runner. I have replaced my avid running and creaky paratrooper ankles with the high I get from being with the incredible men and women at Keystone Adult Day Program every week. They have joy, laughter in their eyes if not on their faces, and wonderful stories. They keep me coming back. The wonderful staff and volunteers at Keystone are the best.

“Several of the men and women have Alzheimer’s. I have had two favorites, one of whom is no longer there but made such an impression on me. One lady could not speak, but her eyes would light up and I would know she knew I was there. A second favorite is a wonderful lady who must have loved dancing when she was younger. I tease her about taking her out dancing, and she always laughs and asks me what my wife would say.

“Volunteering gives me more than I give them.”



Burt Tackaberry enjoys volunteering with Keystone.



Dean Little works with area students.

**Dean Little**  
**Technology Development**

“This may be kind of corny to those not familiar to Boy Scouting, but as an Eagle Scout, I have been indelibly shaped by the Scout oath, motto and law. The oath says ‘... to help other people at all times ... ’ and the motto is ‘Do a good turn daily.’

“One memory that comes to mind was a historic black church in Marion, Va., that had been abandoned. It had fallen in disrepair. Once fixed up, plans were to use the former church as a center for helping others. Former parishioners came by; it meant so much to them that their heritage was not going to be lost. What we were fixing, we discovered, was not so much the church but the soul of the community.

“Somehow when you help others, you just know it is the right thing to do—and you feel obligated to help—you need to help.

“I work with Boy Scouts Troop 50 as well as work with schools to promote science. I also volunteer through the Beaver Ridge United Methodist Church mission team.”

**Bob and Ala Montgomery**  
**Product Certification and Facilities and Compliance Management**

“Bob and I are always on the lookout for items that will help organizations such as Ronald McDonald House, Mission of Hope, Knoxville Area Rescue Ministries, Keystone Adult Day Program and other agencies.

“Many items we take for granted can help these agencies tremendously. Ronald McDonald House can always use laundry detergent, bleach, notepads, pencils, sheets, shampoo, soap, deodorant, toothbrushes and toothpaste.

“We help Mission of Hope as needs arise. We recently helped with the soup and cracker drive for their needs. At Christmas, we try to help with toys for the many folks who need assistance.

“Keystone Adult Day Program has a very special place in our hearts because they helped us care for Bob’s mother during her last two years. Keystone makes it possible for caregivers to work and be able to keep loved ones at home.

“There are so many folks and organizations in our area that need help, and we try to help in small ways to benefit the organizations.”

Ala Montgomery delivers crackers.



# THE Y-12 COMPLEX SAFEGUARDING THE Y-12 NATIONAL SECURITY COMPLEX

# SAFEGUARDS & SECURITY SENTINEL

## Ring of fire

### Y-12's Burn House—not for your personal use

What do personal check carbons, hotel giveaways from the 1970s and newspapers have in common? These items have all been found in barrels at Y-12's Burn House.

During a recent examination of materials at the burn house, these items and many other oddities were easily removed from barrels. All of the unclassified items in the photo were found during a recent tour.

As noted in the *Manual for the Protection and Control of Classified Matter and Other Protected Information* (Y19-203), burning is one acceptable method of destroying classified matter. Unfortunately, as the photo shows, a lot of unclassified material is sent to the burn house.

### So what's the big deal?

It certainly may not seem like a big deal to send classified and unclassified waste to the burn house. At least it's no longer your problem, right?

Wrong. Some of the sensitive information found in the burn house can pose a very big problem. For example, several years of check carbons were found in the barrels. Obviously, checks typically contain enough personal information to locate an individual, but several years of checks provide a plethora of information—from where you attend church to with whom you have credit. Do you really want that type of information to leave your hands?

Such material also creates a problem for the site. Burn house operations account for 2 percent of the site's natural gas consumption. In addition, to meet new Environmental Protection Agency requirements for 2010, Y-12 will need to re-evaluate use of this facility.

### What you can do to help

The easiest way to decrease Y-12's reliance on the burn house is to ensure only classified material is sent for destruction. Debbie Hunter, Productivity and Process Improvement, noted that a lot of sensitive information is being sent to the burn house. She also notes that some material isn't even sensitive.

Sensitive information may be destroyed in a ¼-inch-strip shredder. Personal information (like checkbook carbons) should be destroyed at home. As for those newspapers and magazines, recycle them appropriately.

Classified information may be destroyed in an approved cross-cut shredder. The shredder waste can then be handled as recyclable paper.

Approximately 125 shredders are approved for destruction of classified matter across the site. If you're in a classified environment, the odds are great that an approved shredder is in your area.

For more information about appropriate destruction methods, contact Betsy Crawford (skb; 576-2842).



## Don't lose your class(ification), consult a derivative classifier

Most people working at Y-12 are aware of classification, and most employees are at least aware that a clearance is required (along with need to know) to access classified information. However, if you generate documents or materials, how do you determine whether the information they contain is classified?

As noted on the Classification website, any mission-related information should be presumed classified until reviewed by a derivative classifier and an Unclassified Controlled Nuclear Information reviewing official.

Classification has only six full-time DCs/ROs and can't possibly service the daily needs of 4,500 employees. That's why 300+ personnel are certified as DCs.

A DC is authorized to determine the classification level of documents or material based on classification guidance or source documents. (In fact, until recently, Y-12 DCs were known as ADCs, with the "A" standing for authorized.)

DCs are nominated by their organization manager and are certified upon successful completion of both training and an examination. DCs are retrained and recertified every three years.

A list of DCs is located at [https://home1.y12.doe.gov/scripts/co/adc\\_list.cfm](https://home1.y12.doe.gov/scripts/co/adc_list.cfm). The website also provides links for specific areas of expertise and enables those who generate information to quickly locate an appropriate reviewer. It is vitally important that a DC review any information before distribution to other employees. Information for public dissemination must also be approved by the Technical Information Office before release.

Keep your class. Consult a DC.

### DC Requirements

#### Prerequisites

- Keep current with "Classified Matter Protection and Control."
- View the "Classification Overview" video.
- Complete a "Classification Pre-Test" to gauge understanding.

#### Training

Successfully complete the following:

- two, four-hour classes;
- an exercise between classes and
- an examination within 30 days of the last class.

## Performance testers hone skills in workshop

Members of the Office of Independent Oversight and Performance Assurance team were back at Y-12 in April, but an inspection was not on the team's agenda.

The purpose of this visit was a two-day workshop on security systems testing at Y-12. The workshop gave those involved in performance testing at Y-12 a broader understanding of how security systems operate and how they can best be protected. The workshop was conducted by representatives from Willowbrook, Ill.-based Nuclear Security Services Corporation, who supported the OA team in last year's security inspection.

Activities included classroom lecture and field testing. In the field, participants examined a vault-type room and the Perimeter Intrusion Detection and Assessment System. The group learned how to identify potential weaknesses in protective systems, how unauthorized personnel might try to enter a security area and how to prevent those personnel from defeating security systems.

"Participants benefited in more ways than one," said Casey Cole of Safeguards and Security's Performance Testing group. "The class got the students thinking on defeat methods ... and about the ways the 'bad guy' looks at security. That will better prepare us for potential threats and help us do our jobs more effectively and efficiently."

Now personnel from Y-12, Wackenhut Services Inc.-Oak Ridge and the Y-12 Site Office can apply what they learned in a real-life setting.

"When the team goes out to look at interior and exterior alarm sensors, they'll be able to really look at everything from an adversary's perspective," Cole said.



Representatives from Nuclear Security Services Corporation demonstrate performance testing techniques during a workshop visit to Y-12 in April.

# Y-12 employees and retirees help re-create a joyful noise

A group of both active and retired Y-12 employees among others have completed their part in restoring a Victorian pipe organ that now sits in the Kern Memorial United Methodist Church in Oak Ridge. How this 120-year-old organ came to be in Oak Ridge is a story of dedicated effort.

The organ committee included Norman Smyrl (Analytical Chemistry), Sherry Smyrl (Public Affairs and Communications), retiree David Allen (Engineering) and Mike Cox (formerly Energy Systems Safety).

What started as a real pipe dream began in May 2005 when, under the watchful eye of organ builder Bradley Rule of New Market, some of the committee members traveled to Kingston, N.Y., to dismantle the antique instrument.

The organ had been acquired free of charge from a couple who purchased the old church building where the organ resided. The team carefully dismantled the organ and loaded the 2,700+ separate pipes and other organ parts into Rule's specially equipped van for the trip back to Tennessee.

Upon arriving in New Market, those pieces and parts had to be unloaded to await rebuilding and restoration at the skillful and artistic hands of Rule. During the months required for the rebuild, Norman led the effort to hand paint the external pipes and restore the original



Norman Smyrl hand paints pipes to restore a Victorian organ to its original splendor.

decorative Victorian stenciling that over time had etched into the metal and was recovered by Rule.

Last month the pipe dream became reality. The rebuilt and restored organ was dismantled (again) and delivered to Kern, where it was painstakingly reassembled by a team including Terry Hannon and retirees Mike Bradshaw and Jim McNabb (all of Safeguards and Security). While the instrument will undergo intensive tuning, it is already making a joyful noise! A dedication is planned soon, and the public is cordially invited to attend.

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