

the Y-12 times

A newsletter for employees and friends
of the Y-12 National Security Complex

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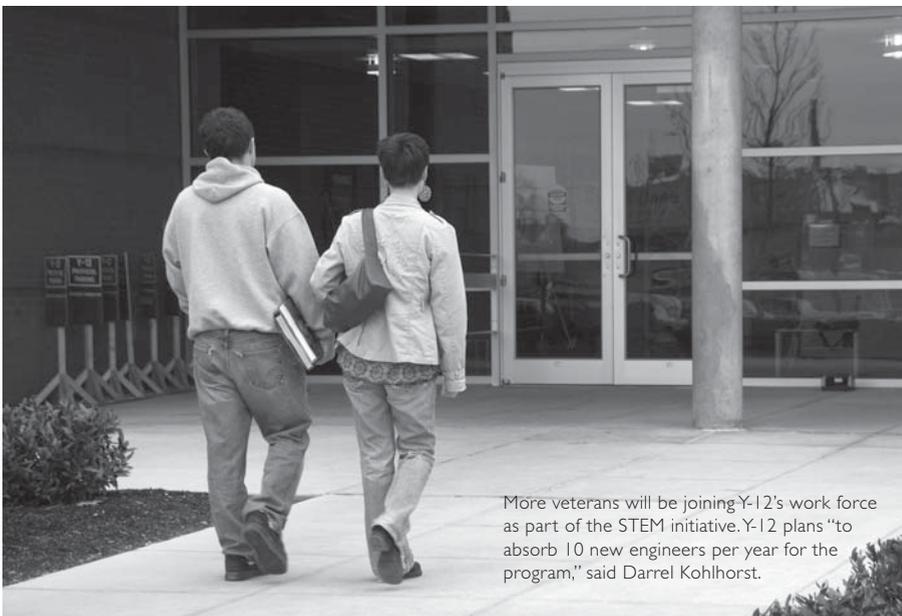
B&W Technical Services Y-12, LLC, a partnership between
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and Bechtel National Inc., operates the
Y-12 National Security Complex.

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More veterans will be joining Y-12's work force as part of the STEM initiative. Y-12 plans "to absorb 10 new engineers per year for the program," said Darrel Kohlhorst.

Hiring veterans Helping Y-12

Y-12 is once again leading the way; this time in supporting an initiative to provide jobs to America's veterans. The America's Veterans to Tennessee Engineers initiative is for military members just completing their service who want to be nuclear, chemical, mechanical, electrical or civil engineers.

The program, often referred to as a STEM initiative, builds on veterans' scientific, technological, engineering and mathematics (STEM) skills to create the engineers of tomorrow. STEM provides support to participants as they complete their engineering degrees with the University of Tennessee (UT) or Tennessee Technological University.

"With the shortfall of available engineers expected over the next several years, this program in an innovative way to help make sure Y-12 replenishes this critical skill set for years to come," says Diane Grooms, who is the B&W lead for the program and coordinates the program for Y-12.

Y-12 already has hired the first STEM program veteran participant, Brian Paul. Paul, a junior in nuclear engineering at UT who is working part time at Y-12, described finding STEM and Y-12 as "an answer to prayer" and looks forward to a long and interesting career at Y-12.

Kevin Smith, Y-12 Site Office deputy manager and program sponsor, is excited about STEM's benefits to Y-12. "In addition to the satisfaction of helping America's veterans who have served our country, B&W Y-12 gets motivated workers who come with the skills and discipline they acquire in the service," he said. "These skills match well with the disciplined operations required by Y-12 operations."

For more information about the program, visit the STEM website (www.y12.doe.gov/jobs/stem), and check YSource for a profile of Paul.



Brian Paul, STEM participant

Steam plant project heats up



The project to build a new steam plant is heating up—after the placement of four package boilers. The boilers, each weighing 58,000 pounds, were trucked onto the site in late January and lifted by crane into place. Anna Beard, the Y-12 Site Office senior federal project director for the Steam Plant Life Extension Project, is pleased with the progress. “The project is on target and within budget,” she said. “This is a critical project for NNSA [National Nuclear Security Administration]. By replacing the existing coal-fired plant with a new gas-fired plant, Y-12 will ensure a reliable long-term steam supply while reducing air emissions significantly.”

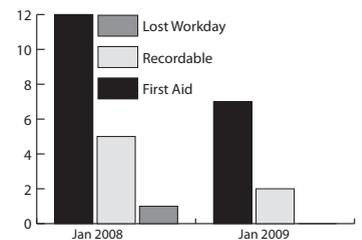
The facility housing the steam plant will be constructed around the package boilers. “Package” in the name means simply that the boiler is delivered already fitted with burners, pumps, insulation, electrical panels, valves and gages.

A clear view for safety



Many workers provided suggestions for safety banner slogans. Journeyman Dennis McFalls (left) and apprentice Brandon Turner hang one of the banners Facilities, Infrastructure and Services created. The banners are placed near entrances and rotated throughout the site.

Over the past few years, Y-12 employees have had a rocky start in terms of safety when the new calendar year started. As part of the President’s Environment, Safety and Health Forum, a 15-member team energized co-workers in December and January to look for safety, health and wellness challenges that can plague the workplace during and after the holiday season.



Team member Leona Lewis from Facilities, Infrastructure and Services said, “Previous years have shown us we are very distracted around the holidays and accidents increase. This year, we wanted to do something different to reduce injuries. From workers to senior management, everyone found a way to participate in improving safety.”

Articles in YSource, *The Y-12 Times* and employee team newsletters, as well as the December billboard, focused on issues the team addressed. Team member Dorian Mergen (Radiological Control) recognized communications needed to reach all employees. “We are regular folks—tradesmen, craftsmen and laborers. We needed to make communications ‘real’ and not sound like corporate speak,” Mergen said.

During December and January, Occupational Health Services’ Drs. Russ Reynolds and Linda Shissler presented “Taming the stress monster” at more than 10 employee team meetings.

“I took some advice from Dr. Reynolds’ stress-less session,” said Susan Hughes of Public Affairs and Communications. “My family gave to charities in lieu of exchanging gifts. That ‘donation exchange’ was so rewarding, we plan to exchange charity lists next year, too.”

The extra focus on safety showed a 50 percent reduction in the number and severity of injuries in January 2009 (nine total), as compared to January 2008 (18 total).

By having a focused return-to-work plan, *all* employees created a clear view for safety.

For the love of the game

Deborah Long's father was a trail blazer, but she never realized it until she was an adult. "I knew he loved baseball; he played ball and watched it all the time, but I didn't know what he did was special," said Long of Construction. Her father, Eugene "Fireball" Williams, played pitcher and third baseman in the 1950s for the Memphis Red Sox of the Negro American League.

Long's father played alongside National Baseball Hall of Fame inductee Satchel Paige on traveling teams; he also played against the legendary Willie Mays when Mays was a member of the Birmingham Black Barons.

Long remembered being around baseball players throughout her childhood. She said after her dad retired from the Negro Leagues, he recruited recreational teams from around Tennessee and other states to play in Oak Ridge. "They'd come to my house where my mom would feed them, and my sister, Shirley, and I would serve them iced tea. We did it for the tips they'd give us."

She said she's proud of her father and his legacy. She noted her father, who died last December, got his nickname because he could throw a fast ball and "he could steal a base real quick." In 2003, Williams was inducted into the Negro League Legends Hall of Fame.

Applied Technologies' Ed Ripley recently displayed his Negro League collection of memorabilia in the Jack Case Center. "This collection shows people who've triumphed over adversity," said Ripley. "They did what they loved. Even when they were treated badly, they shook it off and kept going."



Deborah Long shares memories of her father, Negro American League baseball player Eugene Williams (pictured in foreground), with baseball historian Bryan Steverson. Ed Ripley's Negro League memorabilia were on display in the Jack Case Center cafeteria in February.

No escape from taxes

We all have to face paying taxes, but at Y-12, it's not an ordeal, thanks to Tammy Rich in Tax and Payroll Accounting.

Her job is to process, pay and file federal and state payroll tax returns for the Y-12 site. She also assists employees preparing their payroll and tax-related forms (e.g., W-2 forms).

That's not as easy as it sounds. Tax laws are complex and require a lot of study to stay up to date. Rich said, "Staying current with the federal and various state payroll tax rates, tax law and regulation changes is the most challenging part of my job." Anyone who has ever tried to prepare a tax form solo is certainly aware of that. Rich consults the Internal Revenue Service website, and she continues her education by reading journals and attending seminars. She admitted, "I always have my very own tax guides for every year because I think it is fun."

Rich has been at Y-12 for one year. She said, "The most interesting part of my job is meeting the different employees and assisting them with their payroll and payroll documentation needs. Making employees happy and able to do their jobs better gives me a special feeling."

Accurate and timely filing and payment of payroll taxes are necessary to avoid potentially negative consequences, like having bank accounts frozen by federal and state regulators. Rich's work allows others at the Y-12 National Security Complex to perform their collective duties and helps Y-12 accomplish its mission.

Rich is a licensed Certified Public Accountant in the states of Tennessee and Georgia. She is also a licensed Certified Fraud Examiner, which is a national designation.



Tammy Rich, one of Y-12's accountants



If you discuss sensitive information near limited area doors in the Jack Case Center, someone without the need to know may see or hear.

New windows warrant security reminder

While the new windows in several Jack Case Center limited area (LA) doors are a welcome safety enhancement, they present a security challenge. Placement of the windows does not violate any security requirement, but personnel need to be aware of the potential for someone outside the door to see sensitive material inside the LA.

Preventing information compromise in this case is simple: don't read sensitive documents in view of the windows, and ensure the documents have the proper covers to prevent casual viewing.

"We're happy the installation of the glass panels will reduce the likelihood of a collision," said Betsy Crawford, Information Security manager. "We just want everyone to remember their security responsibilities and adjust their behaviors accordingly when they're around the limited area doors."

Keeping your nose clean on Facebook

Joe was closing in on his dream job. After months on the job search, he had made it to the final cut with a top company. But before he could say "two-week notice," he was reading a rejection letter. Turns out the hiring manager accessed Joe's page on a social networking site and read something that changed his mind.

Social networking sites, such as Facebook and MySpace, can be exciting venues by which to reconnect with old friends or stay in touch with family. But if you choose to publish information about yourself on such a site, you must be cautious.

Although "Joe" isn't real, his story could be, and it could be worse. Sharing too much personal or professional information can make you a target for identity theft, corporate espionage or even physical injury. What turned off that prospective employer could have been nothing more than a post about a club of which Joe was a member, but that club's philosophy may have clashed with the company's values. Losing a job you never had, however, would pale to losing your identity or causing your employer irreparable harm.

As a Y-12 employee, most information related to your job is probably sensitive. Remember need-to-know if you post personal or professional information on a public site; if combined, the two may reveal too much. Safeguards, Security and Emergency Services strongly suggests you not post anything that ties you to Y-12. Those intent on doing you or your employer harm can connect the dots and end up with a picture that discloses more than you could have ever imagined.



GOING ONCE GOING TWICE...

SOLD!



The Y-12 Fire Department received seven vehicles to replace its fleet from the 1980s. Shown here are five of the "new" vehicles.

Recently, the Y-12 Fire Department purchased seven vehicles to replace its 1980s-era fleet. The vehicles were purchased at a General Services Administration auction and enhance the department's response capabilities while providing cost savings.

Lyle Bennett, Y-12 Fleet manager, said, "Our main goal when replacing vehicles is to match the task to the assignment and we've done that for them."

With the old fleet, personnel and gear were hauled separately, which meant response teams would arrive at the scene at different times. The vehicles also incurred maintenance costs of almost \$14,500 last year, an increase of 23 percent from the previous year. "The new vehicles should have an annual preventive maintenance cost that will be much less by comparison," said Durand Carmany, Y-12 Garage manager. They will also improve department response times because teams and gear will arrive simultaneously.

When purchasing new vehicles, certain criteria are reviewed, such as mileage and fuel requirements. "We try to purchase newer vehicles with the lowest mileage possible. Finding vehicles that use E-85 fuel is a priority," Carmany said.

The new vehicles have given Fire Department personnel a new sense of pride. "The new vehicles help the department's image," said Y-12 Fire Department fleet manager Bobby Prewitt. "We feel like we're a part of the modernization of the site."

The older vehicles were excessed, sold or replaced an even older Y-12 vehicle. "We would like to provide employees with newer vehicles, like we did with the Jack Case Center vehicle pool. It reduces associated maintenance costs while promoting the transformation of the site," Bennett said.

Security police officers from Wackenhut Services Inc. – Oak Ridge patrol in a BearCat® armored vehicle, one of the many tools the Protective Force uses to protect the site.



Vigilance can thwart terrorism

You don't have to look far for reminders that terrorism is very real. In November, gunmen stormed multiple locations in Mumbai, killing more than 170 people. In September, there was a coordinated attack on the U.S. embassy in Yemen. The attack, which was thwarted, was multilayered, with explosives, including at least one car bomb and sniper fire.

Both of these incidents demonstrate the continued ability of foreign terrorists to mount a complicated, coordinated, multilayered attack. Such assaults require a great deal of planning and intelligence gathering. It is during this phase of the operation that the terrorists are most vulnerable. Constant vigilance and reporting of suspicious activities is the best way to prevent an attack.

Protect sensitive information and know the identity of those with whom you speak. Report any unusual circumstances and activities to the Plant Shift Superintendent or your supervisor as soon as possible. Your vigilance is vital for the protection of Y-12 and our national security.



Retiree Bill Wilcox

“History Detectives,”

a Public Broadcasting Services (PBS) television series, came to Y-12 to tackle a question from the early days of Y-12: Did a patent from 1945 have anything to do with winning World War II?

The detective work began when series producers received a patent application from Michael Kudravetz, the son of a man who filed the patent in 1945 while employed at Y-12. Producers contacted Y-12 and were directed to historian Ray Smith. When he saw the patent application, he suspected it had to do with the calutrons used to separate uranium during the war years.

“I contacted Scott Aaron, who immediately identified the patent as an automated control device that was designed to control the beam current in a calutron—much the same way the Calutron Girls adjusted the beam current,” said Smith. “The large number of calutrons at Y-12 (1,152) meant this approach would have been a cost savings. However, at about the time this patent idea was submitted, the calutrons at Y-12 were shut down and most were removed. The uranium 235 began to be obtained wholly from the gaseous diffusion process at K-25.”

Smith worked with the producers to set up interviews and locations for the show. A seven-person television crew spent four days in Oak Ridge and Knoxville, scouting locations and taping interviews. They braved howling winds and pouring rain to interview historian Bill Wilcox under the awning on Y-12’s Chestnut Ridge. During the interview by segment host Wes Cowan, Wilcox explained the Manhattan project, the beginning of Y-12 and calutrons.

Using “traditional investigative techniques, modern technologies, and plenty of legwork,” the show uncovered the answer to their question. You can watch their detective work in action at Y-12 when the show airs in July on PBS.

DIVERSITY:

A winning formula in all economic environments

Our opportunities to be more creative, innovative and progressive are enhanced with diversity of thought and perspectives. We are asked to do more with less and less, until we believe we can do everything with nothing. Smart leaders know that the harder the times, the more you have to empower your people to look for ways to work smart, reducing redundancies and increasing efficiencies. What employees want from their leaders is their **BEST!** Believe in them, Encourage them, Support them and Trust them.

With employees receiving the **BEST** from their leaders, leaders may then expect to reap **DRIVEN** (**D**ependability, **R**esilience, **I**ntegrity, **V**igilance, **E**xuberance, **N**otability) results. We should always leverage the diversity of everyone in Y-12. There is never a monopoly on great ideas! Leaders must aggressively pursue knowing your people; your time is being invested into your success. Employees must be aggressive in letting your leadership team know your ideas, desires and goals; your time is also being invested in your success.

We are transforming; the change is happening, and we all decide how painful it may be. We must embrace the future and learn that change is now our constant, not our exception. We must work to help each other in all ways that build trust, integrity, respect and fairness, because we simply cannot afford to waste resources.

—Ben Stephens (7f9; 576-8381), Diversity and Employee Concerns



Freddy Markham of Engineering recently celebrated more than 30 years of service with Y-12. His wife, Nancy, joined him at the recognition dinner at Fox Den Country Club.

“My most memorable moment at Y-12 was working with Terry Brown on the electrical design of the Rapid Deployment Shelter System,” recalled Markham. “As a hearing impaired employee, this was a great opportunity to get out in the plant and demonstrate my abilities and learn new skills.

“My advice [to a new hire] is not to be afraid to ask for help when you do not understand. Get information from your department team. Work as a team to understand how things work at Y-12, and share your feelings of what you believe should be done, especially if you think something is unfair. Your input might help others to do better in their work.”



SimCenter Synergy

Applied Technologies' Reid Kress is going back to school as a visiting professor of computational engineering at the University of Tennessee, Chattanooga (UTC).

One of the department's greatest assets is the SimCenter for computational engineering. By applying its computational power to a range of Y-12 projects, UTC exercises its equipment on real-world problems, while Y-12 finds solutions more quickly. Kress plans to work with UTC on some joint proposals. "One may be thermal modeling of a heat transfer problem with rather sophisticated geometry and complex material properties," said Kress. "The other may be using computers to optimize process modeling."

For example, to examine the number of lathes required in a machining process, they reset model parameters manually and then analyze the changes in the various model outputs. "It would be much more effective to automate the variation and analysis of the changes using a computer. This is not new, but it is something that a SimCenter graduate student could help with, and it would be very cost effective," Kress explained.

Kress is a former member of UT Knoxville's mechanical engineering faculty and has taught robotics, vibrations and controls. He works with Lee Bzorgi to tackle problems ranging from identifying potential terrorist attacks to creating a quick surgical suite under battle conditions.

Under a separate agreement, Y-12 is working with the SimCenter on joint projects about chemical releases, processes, metal processing, safety and engineering. Randy Spickard of Science, Technology and Partnerships said, "By utilizing the SimCenter's advanced computing technologies, we'll be able to save taxpayers money and increase safety."



Reid Kress

SERVICE



ANNIVERSARIES

FEBRUARY

41 years

Engineering: Douglas E. Bailes

40 years

Resource Management: Kenneth E. Jack

30 years

Emergency Services: Patricia B. Lowe

Engineering: Kathy M. Bracic, Abie M. Golshani and Warner D. Shipley Jr.

Information Technology: Robert M. Rees

Plant Services and Programs: Robert W. Wells

Program Planning: Candace G. Slagle

Quality Assurance: John P. Stanley

Resource Management: Stephen L. Nelson

25 years

Budgets: Beverly T. Gibson

Document and Property Management:

Sharon A. Frost

Engineering: Peggy J. Campbell

Ethics and Internal Audit: Yolanda M. Hammond and James E. White

Industrial Hygiene: William A. Sliski

Information Technology: Karen A. Ryan and

Anne E. Shanks

Integration and Partnerships: Gail M. Johnson

Production: Mitzi A. Barnett, Sharon G. Bays and

William J. Walker

Program Planning: James L. Bell

Safeguards, Security and Emergency Services:

Deborah L. Hunter and Jesse M. Moore

20 years

Production: Gregory E. Tye and Charles E. Tyson

Emergency Services: Tony M. Charles and

William G. Leffew

Resource Management: Robert A. Jago Jr.

Utilities Management: David L. Stone and

Gregory S. Ward

In memoriam

Stanley L. Templeton of Construction passed away Sept. 20, 2008. He had six years of company service.

As well as being an avid farmer, he was a loving father, son and brother. His Y-12 co-workers were honorary pallbearers.

Curtis D. Irwin, a pipefitter in Construction, passed away Jan. 11. He had seven years of company service.

James Shepard, a fellow pipefitter, said, "Curtis was an exceptional person. It was a real pleasure working with him and I will greatly miss him."

Another co-worker, Terry Merritt, also a pipefitter, said, "Curtis was willing to do whatever was asked of him. He was good-natured and had a unique personality."

Janet Wood of the Legal Department passed away Jan. 21. She had 16 years of company service.

"Members of the Legal Department are deeply saddened at the loss of our co-worker," said Legal's Rebekah Bell. "Although she often worked behind the scenes, her work contributed directly to our success in complying with certain regulations and contributed indirectly—but just as importantly—to building a positive relationship with our customer, with judicial and legislative bodies and with the public."

Y-12 Employees' Society Board Elections

March 18

New Hope Center Auditorium
5 p.m.

Contact Lisa Harris
576-2658

B&W Y-12 Day of Volunteering

May 2

Contact Alice Brandon
576-2963

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Y-12 wins Secret City Festival award



The International Festival & Events Association (IFEA) presented B&W Y-12 with an award for continuous support of the Secret City Festival and for the company's commitment to keeping the history of Oak Ridge alive through tours and other activities. B&W Y-12 is the festival's top corporate sponsor, pledging \$25,000 to the 2009 event.

"The Secret City Festival continues to grow and receive recognition both nationally and internationally," said Darrel Kohlhorst, Y-12's president and general manager. "B&W Y-12 is proud to be a key sponsor of this annual event as the festival continues to offer an experience to the community and to visitors that is unique to Oak Ridge history and heritage."

"The Secret City Festival is one of those 'quality of life' events in Oak Ridge that makes all of us take time to celebrate.

There is truly something at the festival for all ages and interests, and it is all made possible because of the generosity of our corporate sponsors," said Jane Miller of Public Affairs and Communications and Oak Ridge vice mayor.

This year's festival, which will be held June 19 and 20 in Oak Ridge, will include the 1980s rock band Survivor, known for its song "Eye of the Tiger," free teen and children's activities, a World War II reenactment and a tour of some of Y-12's historical facilities.

The IFEA supports festival and event professionals worldwide.

Katy Brown, president of the Oak Ridge Convention and Visitors Bureau, presents Darrel Kohlhorst with the International Festival & Events Association award for B&W Y-12's support and commitment to the Secret City Festival.