

## Awareness of security requirements

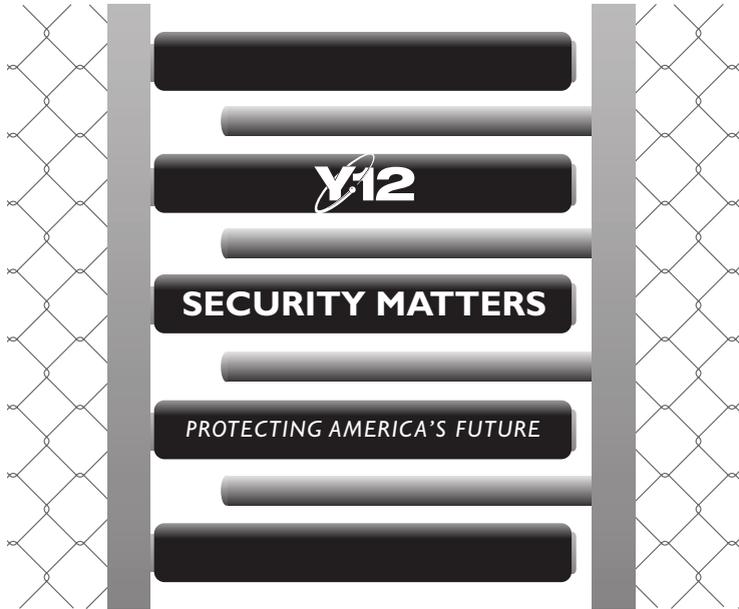
At the Y-12 National Security Complex, we are aware of the vital role we play in safeguarding information. It is a responsibility we take seriously—the security of the work we do and the security of our nation depend on it.

We have always been focused on security, but, like all Americans, we work even harder today to remain aware of our surroundings in a post-Sept. 11 world. We know adversarial tactics have changed, so we change to address them. We face an evolving threat that requires a solid security posture. The Y-12 NSC is ready, willing and able to face that threat.

One of our company's strategic objectives is to ensure the protection of Y-12. By doing so, we help protect America. That mindset is intrinsic to Y-12. It is part of our culture, from senior management and the Y-12 Safeguards and Security division right down to each individual employee. From our first day on the job, each of us knew we were caretakers of something special.

To meet that challenge, we demand a strict code of conduct. We have in place a set of security policies at Y-12 that we do not bend and certainly do not break. We have no choice but to approach our responsibility in this manner or we fail, plain and simple, and failure is not an option.

If our mission did not require us to work with sensitive materials and information, there would be no need for fences, passwords or badges. If we had no security policies, there would be



no need for Y-12—we could accomplish our mission anywhere.

But our nation needs Y-12. And Y-12 needs employees who understand and adhere to all security requirements. I expect all employees to follow these requirements. The vast majority of you takes pride in your work and makes that effort in security, and I applaud you and thank you for your diligence.

We work hard to integrate security in everything we do and to instill it in our work habits. To that end, the Safeguards and Security division has launched a multiweek

information campaign that highlights key security messages for employees. From information protection to the dos and don'ts of foreign business travel, these messages supplement the ongoing security training we require of all Y-12 employees. The messages appear on YSource and also are available for employees without computer access.

Each Y-12 employee knows what he or she does counts, and nowhere is that more prevalent than in security. What we do counts not only for Y-12 but also for the safety and security of our nation.

Sincerely yours,

George E. Dials  
President and General Manager

## Y-12 celebrates Earth Day

On April 17, the following organizations received a \$200 donation from Y-12's Aluminum Beverage Can—or ABC—recycling program: Boy Scout Troop 246, Tabitha's Table Food Ministry, Robertsville Baptist Church; Tennessee Izaak Walton League,



Ft. Loudon Lake Association; Holston Home for Children; Seniors Food Distribution Center, Cumberland Baptist Church; and Keystone Adult Day Program.

Revenues generated from the ABC Recycling Program make these donations possible. Please remember to recycle your aluminum beverage cans because every can counts.

# Building a culture that reflects our core values

Getting Results Through People™ is not just another flavor-of-the-month training program. GRTP continues to have a real—and measurable—influence on our ability to remove roadblocks to effective communication.

“Employees who’ve taken the basic class are learning to use different communication styles when they experience frustration in communicating with one another,” said Human Resources’ Elicia Hunt, noting that GRTP skills must be used by each employee to effect change. “Building a team-based culture—one in which we’re actually living our core values—requires that we use what we’ve learned daily.”

Bill McKeethan of Quality Assurance is one such employee who uses GRTP daily to ensure he’s “in tune” with people. “If you cannot reach a person, your message will often breed more confusion than impart good information,” said McKeethan.

Reggie Davis of Facilities, Infrastructure and Services said that he uses GRTP regularly. “Sharing pertinent information, listening to others’ ideas and concerns, and involving them in solutions are essential to getting the job done,” said Davis. “I believe that people truly support what they help create.”

“I’ve applied the GRTP tools, and when I apply them properly, the system works,” said Abe Mathews of QA. “I’m beginning to see changes now—changes in the ways employees are attempting to communicate,” he said, acknowledging that for the system to work as intended, it must be pervasive. “We all must use the techniques to see real change.”



Watch YSource for information on Y72-008, *Motor Vehicle Safety Policy*. The new policy was written to increase personal safety and health of drivers and passengers of vehicles and equipment and pedestrians within Y-12.



Y-12 engineers took their skills to area students by participating in National Engineers Week. Those who participated included (front row, left to right): Elijah Shekinah, John Gertsen, Nick Antonas, Brad Walker and Kevin Lamb (all of Engineering); and (back row, left to right): Naila Howell, Jo-Eddy Hayes, Donna Bennett, Ernie Lamb and Jim Rollins (all of Engineering). Not pictured is Joel Shor of Applied Technologies.

speakers have been great today. The kids loved them.”

Naila Howell’s visit to Anderson County High School was particularly timely. One class she spoke to is building a three-bedroom wooden house behind the school. When the structure is complete, they plan to sell and move it to the new owner’s location. Howell, an architectural engineer, thought the students were an impressive group. “Their questions were insightful,” she said. “I also visited an all-female class and was able to share my experiences about how the profession is changing to include more women.”

John Gertsen, Engineering division manager, was pleased with the event. “We reached an amazing number of students and are committed to making this a broader event next year ... .”

Antonas concluded, “... if we affected only 5 percent of them, it was well worth the effort.”

## Engineers connect with students

Y-12 engineers visited 32 classes and connected with about 600 high school students during National Engineers Week in February. The engineers spoke to academic and vocational classes at Oak Ridge High School; the Anderson County Career Technical Center, which serves both Anderson County High School and

Clinton High School; and the Tennessee Technology Center at Harriman.

The speakers were definitely a hit, and Nick Antonas, who coordinated the activity, was excited by the school response. In fact, glowing feedback came almost immediately by e-mail from at least one teacher. His message read, “The

# Y-12 in the NEWS

## LEIC to move

The University of Tennessee's Law Enforcement Innovation Center, home to its Center for Homeland Security Training and the National Forensic Academy, will soon move to Oak Ridge.

The new building on the Oak Ridge Turnpike will give the LEIC about twice the amount of space its divisions and programs have now.

"We're cramped here," said Dan Baker [of Y-12's National Security and Development Programs and] executive director of the LEIC, located at Carrick Street in Knoxville.

The LEIC needs the space because the staff and programs have increased. The academy trains crime investigators from all over the country in an intensive 10-week training program in evidence identification, collection and preservation.

The NFA has a waiting list of about 18 months, according to Baker.

—Condensed from *The Knoxville News Sentinel*, April 2

## Y-12 completes dismantlement

Oak Ridge workers have finished dismantling the uranium components from two major Cold War nuclear weapon systems, federal officials announced.

The National Nuclear Security Administration said Y-12 had completed work on the W56 warheads—once deployed on the Minuteman II intercontinental ballistic missiles—and two types of B61 bombs.

Federal officials praised Y-12 for the successful effort in taking apart the W56 and B61 components, saying it was the first time in "recent history" that the Oak Ridge plant had dismantled multiple systems at the same time.

Tom D'Agostino, acting administrator of the NNSA, said, "It is important that we take apart and safely dispose of the weapons that we don't need anymore. Dismantlements help us to reduce security and storage costs."

—Condensed from *The Knoxville News Sentinel*, March 21

Y-12, the Y-12 Site Office, the National Nuclear Security Administration and NNSA's acting administrator were on hand to congratulate about 160 Y-12 workers for successfully completing a key milestone in the dismantlement program.



Y-12 Employees' Society

Say YES to yes.

## Prized eggs found

More than 200 children attended the first-ever Y-12 egg hunt held March 29 at Cedar Hill Park in Oak Ridge. The egg hunt was sponsored by the Y-12 Employees' Society.

"We had about 1,500 eggs with candy and treats inside them, and the kids went wild when the hunt started," said Ryan Hay of Engineering and YES ticket discounts officer. "All of the eggs were collected in less than 15 minutes!"

Ala Montgomery, YES president, said, "The egg hunt was wonderful. Employees and their children had a great time."

Patches the Rabbit (portrayed by Rashaun Williams of Engineering and YES events officer) made an appearance and delighted the children as they found the prized eggs.

The YES board plans to make this event a Y-12 tradition. "We plan to make next year's egg hunt bigger and better," Hay said.



Ages:  
3 & Under

### Innovations improve security, officer safety

In the wake of Sept. 11, protecting our nation's assets is serious business. Until recently, however, timely use of deadly force by officers protecting those assets was difficult to justify.

Gary Brandon of Wackenhut Services Inc.—Oak Ridge, manager of the Y-12 Protective Force, said it is difficult for security police officers to make the decision to use deadly force before enemy shots are fired. Further complicating this situation, advances in weapons and vehicle armor enable terrorists to approach the site in typical vehicles, providing them greater capability than they would have on foot.

Obviously, if you have to wait until shots are fired, your security force is already at risk. Safeguards and Security's Rick Glass and his group are focused on minimizing risk, both to officers and to the assets they protect. Glass noted, "Our focus has been on forcing the adversary to declare hostile intent earlier to enable our officers to make those decisions. We've put measures in place to ensure that anyone passing certain barriers can only do so intentionally."

Until these technologies were deployed, officers had no way of knowing whether the occupants of a vehicle approaching a perimeter



barrier were potential adversaries or drunk drivers. These officers could not determine the intent of the trespasser without further investigation and delay, which is often risky.

With lives and national security at stake, Y-12 had to do better, and deployment of a hostile intent system met that challenge. This system features a vehicle detection cable to monitor remote perimeters. This cable is protected against tampering and provides

an extremely low nuisance and false alarm rate. Therefore, any alarm from this system is an indication of hostile intent—and the use of deadly force is authorized.

By pairing this system with complementary technologies like night-vision cameras and sniper detection, Y-12 is forcing adversaries to abandon use of armored vehicles or face engagement before they are ready. Thus, officers are able to identify adversaries early and start the engagement on their terms.

With this change, Y-12 remains highly confident that adversaries will be defeated and the Protective Force will survive.

### Y-12 plays critical role in physical security technology



Mike Toscano

Y-12's Safeguards and Security recently hosted the U.S. Department of Defense Physical Security Equipment Action Group. The group's chair, Mike Toscano, noted it was no accident that the group came to Y-12. PSEAG's mission is to protect people, places and things, and Y-12 has all of those.

The DoD and the U.S. Department of Energy share many of the same physical security goals. To be in compliance with National Security Presidential Directive 28, both departments must ensure all nuclear materials and weapons are safe.

Recognizing DOE's capabilities and expertise in the protection of high-value assets, Toscano stated both departments "line up well in what we're trying to protect." Like Y-12, DoD is looking at force multipliers—technologies that will save money and lives.

The Remotely Operated Weapons System is one example of a force multiplier the DoD is watching. Toscano acknowledged that DOE's successful deployment of ROWS makes it easier for DoD to field the technology. He said DOE has successfully navigated the "gotchas" that can prevent fielding a weapons system.

Y-12 is also benefiting from DoD technologies. S&S's Mike Lowe, who was instrumental in bringing the group to Y-12, learned about several technologies through his participation. Successful deployment of technology is crucial for Y-12's implementation of the Design Basis Threat. In fact, Lowe invited the group to use Y-12 as a test bed for technologies.

Toscano referred to Lowe as "key and critical" to his group's efforts and said it is entirely likely he will take advantage of Lowe's offer.

## Teamwork, coordination place project ahead of schedule

We've all heard the adage "good fences make good neighbors," but what will the neighbors say about a \$4 million fence?

Project manager Bret Sullivan worked with several "neighbors" to ensure the Fence 4 project would ultimately be a good fence. Noted Sullivan, "This project is quite complex and cumbersome, but through discussions with all involved parties, we were able to work on this project with minimal disruption to operations."

The list of organizations affected by this project is quite lengthy and includes Emergency Management, Traffic Safety, the Fire Department, the Protective Force, Criticality Safety and the site's Operational Safety Board. The list of players includes Safeguards and Security; Facilities, Infrastructure and Services; Planning, Integration and Control; G2 Engineering and the Knoxville Building and Construction Trades Council.

Organizing and communicating with all these entities was a challenge, Sullivan said, but "it takes a lot of planning to make things go smoothly." He lauds the support from building and facility operations as crucial to this project's success.

By all measures, the project is a success. Fence 4 is currently two months ahead of schedule, and its completion will significantly enhance Y-12's security posture.

## Security ambassadors introduced



Safeguards and Security has established an interface committee as a forum for feedback and improvement between the division and site personnel. This mission directly supports Strategic Objective 2—Ensure the protection of the Y-12 National Security Complex. The committee consists of representatives from across the site. The members include (front row, left to right) Louis Sinor, Larry Garrett, Gary Hagan, Charlotte Johnson, (back row) Bob Spence, James Atwater, Jackie Williams, Steve Weaver, Tom Richey, Debbie Hunter and Kathryn King-Jones. John Whalen is not pictured.

## What took place in Room 22?

In February 1964, Karl Johnsson, a Y-12 employee from the early Manhattan Project days, published a guest column in *The Oak Ridger*.



Among other things, he told interesting details of the final preparations to ship Y-12's first product—uranium 235.

The entire Y-12 production of U-235 prior to the dropping of the bomb Little Boy passed through room 22 of Building 9733-1. At one time, there were bars on the windows and a guard was posted outside the door to protect the output of Y-12's calutrons. The material was processed in one kilogram batches. Twenty-four karat gold trays weighing about four pounds were used to process the material.

The first batches were ground by hand using a mortar and pestle made of nickel. After the grinding operations, the workers had to check under their fingernails to be sure the material had not accumulated there.

The coffee-cup-size nickel cylinders used to transport the U-235 were made by a group in the Y-12 shops headed by Jack Case, Y-12 plant manager from 1967 to 1982 and namesake of the Jack Case Center. They were gold plated in Slack's Plating Shop in Knoxville. Johnsson was driven to Knoxville to deliver and pick up the cylinders by one of Y-12's Motor Pool drivers (a Mrs. Justice).

The filled cylinders were delivered to Captain Lloyd Zumwalt, who was located in an office two blocks from Building 9733-1. When the captain found out they were walking with cylinders containing U-235, he instructed those delivering it to, *"Call for a car. If you got run over it would be a mess to dig up the ground to recover the uranium but in a car it would be all in one place."*

Do you have a story to tell? Contact Ray Smith (srd; 576-7781) with suggestions for future stories of Y-12's unique history and heritage.

If you find historical artifacts as you spring-clean and prepare for the Mega Move, contact Smith or Jennifer Dixon (jen; 576-5715) of Y-12's National Historic Preservation Act Office.

# Y-12 runs for clean air



The 67-member Y-12 team showed up in force and was awarded the largest team participating in the Run for Clean Air held April 14 on Cherokee Boulevard.

Y-12 also had the fastest top four runners of any team.

Y-12 team captain Elijah Shekinah of Engineering said, "Y-12 had a great showing in the support for the ETCFC [East Tennessee Clean Fuels Coalition] and its initiative to improve the environment."

Participants could test drive vehicles at the hybrid "Ride-n-Drive" and learn about ways to protect the environment.

## Meet the new director of FI&S

As a 40-year veteran of the U.S. Navy, Bill Klemm is accustomed to knowing "what you do counts." Klemm was recently named division manager of Facilities, Infrastructure, and Services after serving as the deputy division manager since September.

Klemm has extensive experience in ship construction and maintenance. His experience includes forge, foundry, and shipyard maintenance and operations.

"I enlisted in the Navy as an auxiliary equipment mechanic in 1964. In 1969, I was commissioned as an officer with a specialty in ship-operating engineering," Klemm said.

Klemm has a bachelor's degree in industrial management from Widener University in Chester, Pa., and an MBA from Rensselaer Polytechnic Institute in Troy, N.Y.

"I'm happy to be at Y-12 and look forward to meeting more employees who help support its mission," Klemm said.



Bill Klemm

## What you do counts



Gary Bailey

Rebar, handrails, platforms, Jersey Bouncers, heavy machinery—it's all the domain of the rigger. Gary Bailey is a senior member of a small team of Y-12 riggers who are experts at moving heavy equipment and material.

"We have to figure out rigging configurations, consider mobile crane capacity and how much boom is necessary for the crane," said Bailey.

Riggers do a walk-down on a job and then meet with planners to form strategies to safely and efficiently move materials and equipment.

Bailey and his team face challenges such as the design of rigging configurations in areas that may lack headroom or sufficient space. They must know how to figure crane capacity and how to handle a job when a crane is not available.

Bailey said that the most rewarding part of his job is working with a great team. "The riggers are a small group and we're very close," said Bailey. "It's great to work with these guys."

Bailey's dad was an ironworker, and Bailey has been at the craft for nearly 40 years, including 27 at Y-12. Now Bailey is passing on his experience to apprentice ironworkers. He conducts safety classes and teaches structural rigging and rebar to apprentices for the Ironworkers Union.

Some of the rigger projects visible to Y-12 employees include the big yellow B-24 boxes that line Bear Creek Road and concrete barriers known as Jersey Bouncers.



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## March

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**47 years**

**Chief Financial Officer Division:** William R. Ragland

**30 years**

**Applied Technologies:** Samuel C. Robinson and James C. Yearwood

**Engineering:** Arnetta H. Peters

**Environment, Safety and Health:** Robert J. McAlister Jr.

**Facilities, Infrastructure and Services:** John C. Byrum, Willie Crosby, Harold A. Durant, William T. Gilkey, Albert W. Grant, Gary W. Harvey, John W. Mullins, Stella L. Red,

George M. Rimel Jr., Cynthia O. Smith and Royce J. Stallions

**Information and Materials:** David W. Schubert

**Manufacturing:** Freddy M. Bullock, David A. Jenkins, Estel C. Lane, David S. Miller, Johnnie B Moore, Richard S. Sampson II, David R. Spradlin and David D. Vann

**National Security and Development Programs:** Rebecca G. Ball and Dale M. Davis

**Planning, Integration and Control:** Ronald Jeffers

**Quality Assurance:** David D. Reid and Blake W. Van Hoy

**Safeguards and Security:** Jeffrey W. Zink

**25 years**

**Engineering:** Kenneth D. Lewis

**Facilities, Infrastructure and Services:** Kenneth P. Bowling, Karen L. Lewis, John C. Pipes and Jeffery E. Summers

**Manufacturing:** Donald R. Goodman, Michael I. Henley and Robert M. Vaught

**Planning, Integration and Control:** Linda B. Williamson

**Quality Assurance:** Brenda S. Weaver

**Safeguards and Security:** Peggy E. Grider

**20 years**

**Quality Assurance:** Sandra S. Turner



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## April

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**40 years**

**Facilities, Infrastructure and Services:**

Roger H. Cox

**35 years**

**Engineering:** William G. Smith

**Facilities, Infrastructure and Services:**

Ronald C. Black

**Manufacturing:** James E. Prigmore Jr.

**30 years**

**Engineering:** Michael L. Burchfield and Richard R. Wells

**Facilities, Infrastructure and Services:** Patricia S. Carroll, Claude F. Hall Jr., Michael V. Hensley, Jacqueline R. Latham, John D. May Jr., Tommy L. Rhea, Stevie D. Seiber, Larry D. Thomas, Charles V. Whitson Jr. and Thomas D. Williams

**Human Resources:** Janet L. Sexton

**Manufacturing:** Terry V. Carpenter, Garry W. Kerley, Sarah D. Meridieth, Debra A. Morgan, John W. Ward and Jeffrey R. Williams

**Planning, Integration and Control:** Terry W. Carroll and Janis C. Cline

**Public Affairs and Communications:** Jimmie E. Travis

**Quality Assurance:** Ronald Arnold, Glen W. McCrary and John L. Mincy

**25 years**

**Facilities, Infrastructure and Services:** Ernest H. Hutson Jr. and Donnie L. Lynn

**Quality Assurance:** Sandra K. Poling

**Safeguards and Security:** George L. Potprocky

**20 years**

**Environment, Safety and Health:** James L. Jenkins Jr.

**Information Technology:** Kathy J. Smith

## Obituaries



Danny Roberts

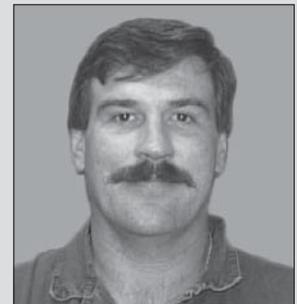
Danny Roberts passed away March 18.

He was employed by Y-12 for 30 years and worked as a journeyman carpenter and boilermaker. He was a devoted husband, father and grandfather and is survived by his wife Melissa; children, Leslee, Emily, Keith and Jacob; step-daughter, Ashley; granddaughters, Lauren Gray and McKynzie Gibson; and many other family and friends.

Roberts was an avid fisherman and motorcycle enthusiast.

Ed Stooksbury of Quality Assurance passed away March 7. Stooksbury was an employee at Y-12 for 26 years.

Ed was a loving husband and dedicated father survived by his wife, Suzanne, and daughters, Sara Beth and Erin Kate; parents Earl Stooksbury and Loretta Stooksbury; brother Gary Stooksbury; mother-in-law, Barbara Wells and special friend Carl Hood; father-in-law Bill Wells; brother-in-law Richard Wells; sister-in-law Laura Leigh Bernnett; nephews Brandon Stooksbury, Dillon Dorsey, DJ, Dorsey and Logan Crawford; and niece McKarti Dorsey.



Ed Stooksbury

# Ready, set ... move

With three truckloads of new furniture being delivered daily to the Jack Case and New Hope centers, the furnishings are definitely giving the space a more personal, nearly-ready-to-move-in feel. Furniture assembly is a huge, time-consuming portion of the project and is now approximately 50 percent complete in the JCC and 25 percent complete in the NHC.

Knoll, a designer and manufacturer of top-quality business furnishings, is providing the new furniture for the Jack Case and New Hope centers. "Knoll is well respected for its environment, safety and health principles and its experience in the furniture business," said Sam Easterling, Projects' ES&H specialist. "We know that one size does not fit all. Supervisors need to identify any special needs with employees individually and communicate with move coordinators to meet those needs. If there are special accommodations being made today, we need to follow through with similar accommodations in the new buildings or understand why accommodations will no longer be needed. Organizations are responsible for the safety and health of their employees, and supervisors, working with move coordinators and employees, must identify and resolve all employee needs," he said. Special needs will be handled in a timely fashion but may not be complete at the time of the move because additional components may have to be ordered.

"All of our new furniture is adjustable, and overall it certainly will be better for everybody. Ergonomic chairs will be provided for all employees who will be housed in the Jack Case and New Hope centers. The Life™ Chair, which was selected for use in the new buildings, functions ergonomically. In addition, chairs previously purchased for employees based on individual ergonomic reviews will be moved to the new buildings," said Easterling. All workstations have adjustable keyboard units. However, if employees have specially sized ergonomic keyboards that must be moved, move coordinators should be alerted.

Each workstation will have one mobile pedestal perch seat, which is a rolling two-drawer cabinet with a padded top. This seat has been designed and tested to hold 225 pounds, although it is warranted for more weight. It is intended only for limited use and seating for short durations.

Nearly 70 conference rooms and open areas will be available in the two buildings. Meetings that are expected to last more than a few minutes should not be held in workstations. All conference rooms will be available for online booking.

The Jack Case and New Hope centers are a significant step in the transformation of the Y-12 National Security Complex of the future. This is an exciting time of positive change for Y-12 employees.

Watch YSource, YLights, *The Y-12 Report* and the *BWXTymes* for more construction and move updates.

## **BWXT**ymes

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<http://www.y12.doe.gov/news/bwxtymes.php>

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