

Inside Oak Ridge

Recent News Releases

Jack Howard Retires from Department of Energy's Oak Ridge Office

J. Dale Jackson Completes Federal Service at Department of Energy's Oak Ridge Office

Charles A. Spoons Named Director of Information Resources Management Division at DOE's Oak Ridge Office

Department of Energy Issues for Public Comment Draft Environmental Assessment for Disposition of Nickel at Paducah and Oak Ridge Facilities

Dates to Remember:

DOE Federal Employee Quarterly Meeting - July 17, 10:00 a.m. American Museum of Science and Energy

In Every Issue

Manager's Note

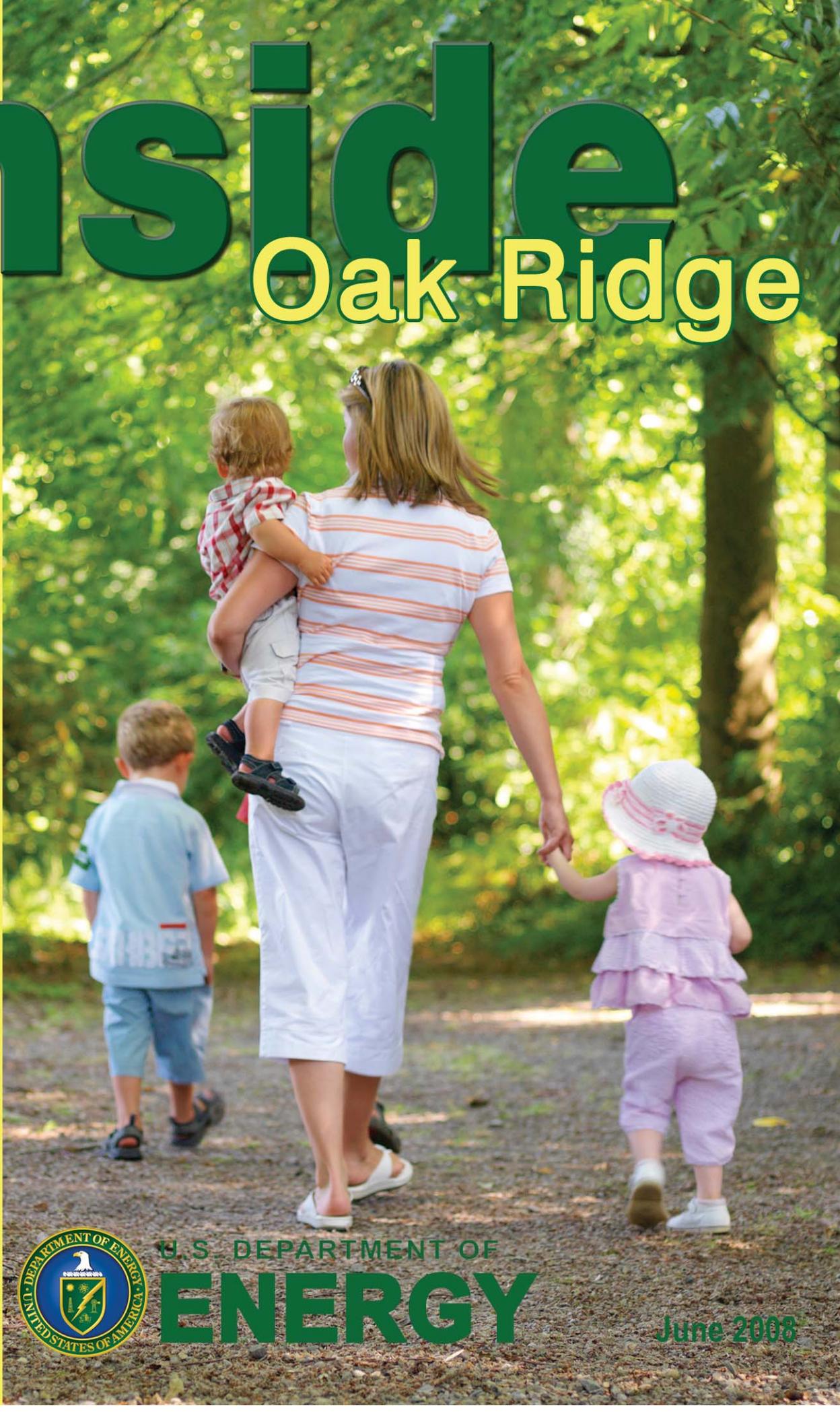
This Month in History

Safety Tip



U.S. DEPARTMENT OF
ENERGY

June 2008



A Note From Our Manager



The summer months have finally arrived and so has the season of travel, outdoor recreation, heat, and humidity. This is a wonderful time of the year, but it can also be a dangerous time. I would like to remind each of you to think about safety as you prepare for your summer vacation activities and travels. Whether you're planning a beach trip with friends and family, or participating in sports, other hobbies, or just fun in the sun, take a second to stop and interject safety into your overall plan. Actions as simple as ensuring your child wears a safety helmet while riding a bike, or buckling up seat belts, or checking tire pressure in your vehicle before taking off for a trip, can mean the difference between a memorable vacation and one wrought with problems.

Safety while you're at home and on vacation is just as important as the safety we practice in the workplace. It's our job to ensure that employees understand and comply with DOE's rules and regulations, just as it's your responsibility to ensure safety with your friends, family, and loved ones. Safety should be an integral part of our daily operations on and off the job.

Lastly, I'd like to say how much fun I had at the Unity Day Picnic. Once again, the day provided an opportunity to enjoy each others company, listen to live music, eat good food, and to spend valuable time with our co-workers, families, and friends. This is a great event for the Oak Ridge Office every year, and I think it was a huge success again.

I appreciate each of you and the work that you do. Have a wonderful summer, work hard, enjoy the weather, and most of all, think safety in everything you do!



Gerald Boyd, Manager

Brimming with ideas?

We need your story ideas & feedback!!
Please talk to us!

DOE/ORO Office of Public Affairs
PAO@oro.doe.gov or DiAnn Fields at 574-3612

Inside Oak Ridge is a monthly office newsletter published for the employees of the U.S. Department of Energy's Oak Ridge Office.

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WALKING TO BETTER HEALTH

(The Federal Building Area Offers Various Walking Routes)

This time of year everyone becomes geared up about getting outside to enjoy the welcome change in weather. Walking is an excellent way to enjoy the outdoors while improving your health. The Oak Ridge area has a multitude of locations that are excellent, safe places designed for exercise. Although most people who work in Oak Ridge are familiar with local area parks such as Melton Lake, they often don't consider walking right here around the vicinity of the Federal Building. The courtyard sidewalks are abundant and easily accessible right outside the door.

We would like to thank Facilities Management for assisting us with this project! In particular, Scott McGill did an excellent job preparing the walking route slides and measuring the distances of various routes in the vicinity of the Federal Building. We really appreciate your help with this!

Following is a quick reference of the various routes. Give them each a try until you find the one you like most!

Area	Route	Total Distance
Federal Building	Walking Route A	.28 mile
Federal Building Plus Parking Lot and Commons Area	Walking Route B	.62 mile
Federal Building and 2714 Complex (minus 2714 Parking Lot)	Walking Route C	.67 mile
Federal Building and 2714 Complex (including 2714 Parking Lot)	Walking Route D	.71 mile
Perimeter of Sidewalk Loop at Federal Building Entrances	Walking Route E	.23 mile



As always, please take safety precautions when walking watching for items such as trip hazards and traffic. Be sure to obey all traffic rules. Have fun and be safe!

(Route maps are on following pages)





Walking Routes at the Oak Ridge Office Federal Complex

June 2008



Areas Measured

1,485 Feet (.28 Miles)



608 Feet (.12 Miles)



1,241 Feet (.23 Miles)



520 Feet (.10 Miles)



782 Feet (.15 Miles)



340 Feet (.07 Miles)



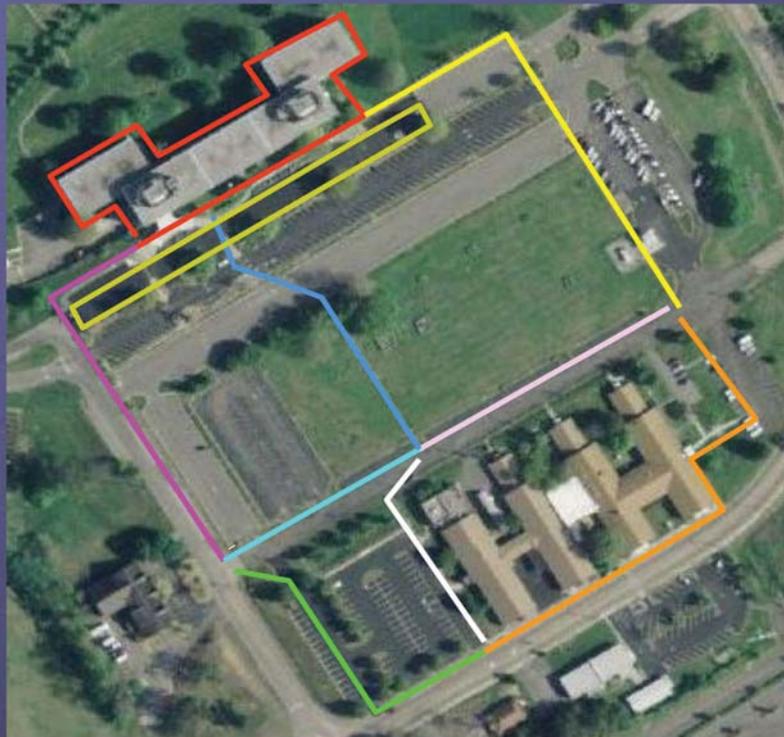
434 Feet (.09 Miles)



761 Feet (.14 Miles)



595 Feet (.11 Miles)



1 Mile = 5280'

½ Mile = 2640'

¼ Mile = 1,320'



Walking Route A



Walking Route B





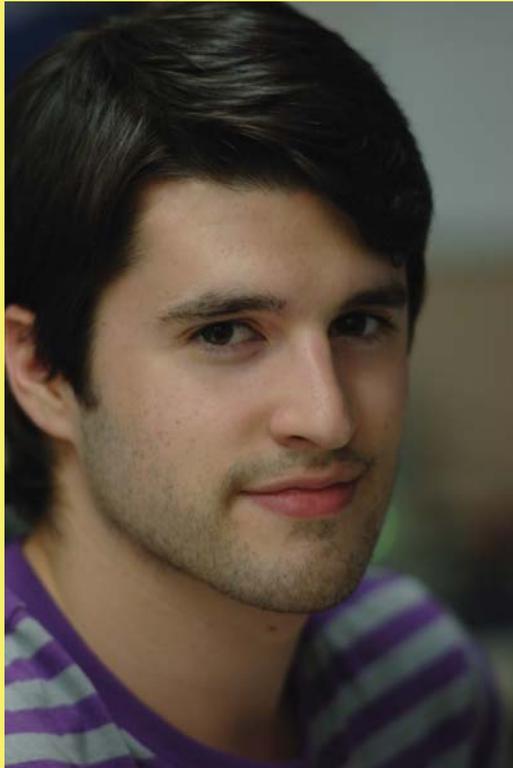
Walking Route E



Potential Site Problems & Hazards



ORO Photography Student Wins University of Tennessee Design Award



*Cristian Cox, Student Trainee
Photography/Public Affairs*

Christian Cox, DOE Oak Ridge Office student trainee for the Public Affairs Office (Photography) took home the awards for Best In Show, Illustration, and the Audience Award at this year's American Institute of Graphic Arts (AIGA) exhibit annual student Graphic Design Competition, featuring work from the University of Tennessee (UT), as well as other East Tennessee colleges. Christian has just finished his second year in the graphic design program at the UT. He was an active member in the AIGA student group and was selected, along with thirteen other students at his level, to continue into the junior level of the program, based on his portfolio of work.

Each year awards are given for the best student work in the categories of illustration, book design, poster design, Web design, information design, and identity systems. An award is also given for Best in Show. This year's exhibit was titled *TAKE YOUR PICK*, referring to the ability of gallery visitors to vote on an audience award for the work they feel is the strongest. The AIGA Knoxville professional chapter sponsored the event and the director of graphic design at Knoxville-based public relations firm Moxley-Carmichael handled the judging of the entries.

Inside Oak Ridge talked to Christian about his work and this award:

Q. Does the field of design come naturally to you or is it something you have to think long about before completing?

A. I think for anyone it really comes down to whether or not you have "the eye" for visuals. I've always been drawn and been interested in things such as movies, comic strips, etc. But apart from that, I am just always looking for things. Reading design books, looking at designer's work, even watching films, I think, gives you a good education on visual principles.

Q. Is your family involved in the field of design, i.e., do you get the talent from your family?

A. Not specially in design, but my dad does a lot of photography on the side and my mom does drawing as well. If I recall correctly, one of my relatives was also one of the first cartoonists at the **Knoxville News Sentinel** in the early 20th century. So, I guess there's many things in genealogy that certainly help out!



"The Manticore" -- Christian's artwork which received three categorial awards from the American Institute of Graphics Arts.

Q. How do you come up with the ideas/subjects you use for your work?

A. Most the time I am given a problem to solve and that determines a lot of what I am going to do. For this specific illustration, we were given the problem to create a children's illustration of a mythical monster. We also had to use cut paper that we had hand painted, so that definitely guided the feeling of the work for me. The monster I chose, The Manticore, was Persian so I think that influenced a lot of the colors I used in certain areas, as well as the secondary character of the Persian man. I'm really interested in working with textures in my work, so the media I used on this definitely facilitated that.

Q. What is your long-term objective in the field of design? Do you aspire to own your own design firm one day, etc?

A. That would be nice and a possibility if I ever became successful enough to afford that. I think that once I finish school I would like to work at moderate sized firm starting out. But I'm also a big reader, so working at a publishing house doing book cover designs is also a dream of mine.

Q. Tell me a little bit about what it means for you to have earned this prestigious award.

A. Well, it's definitely a big surprise. To have someone that is working in the industry select your work in a show is definitely satisfying. I think it basically gave me some enthusiasm that I can do well at what I love and I wish to continue making good work.



Congratulations Christian!

The Newest Hybrid ...

Help is on the way to save you \$\$\$ in 2009

Technology Transfer Project to Put Hybrid Water Heater on the Market

Saving energy is big these days, so take a guess at what is the second largest energy user in your home behind heating and cooling? If you guessed your hot water heater, you are right! Andy Karsner, U.S. Department of Energy's (DOE) Assistant Secretary for the Office of Energy Efficiency and Renewable Energy (EERE), was in Oak Ridge on June 5 to sign an agreement for a project at the Oak Ridge National Laboratory (ORNL). This project will ultimately put a new type of water heater in people's homes -- and will save them money. *Inside Oak Ridge* had a chance to talk with the Assistant Secretary, who stressed how the work in Oak Ridge will make a difference in the American marketplace through the Oak Ridge Office's (ORO) Technology Transfer Program.

Most electric water heaters operate with a heated rolled coil cylinder in a water tank. This is old technology to be surpassed by an electric heat pump water heater that is now under development by General Electric (GE). This hybrid water heater is 50% more energy efficient than models currently used in most people's homes. In addition, it is being jointly tested and marketed by the ORNL and GE through a Cooperative Research and Development Agreement.



Left to right, Jim Roberto, Deputy ORNL Director for Science and Technology, along with Henry Eng, Global Appliance Division Manager for GE and Andy Karsner, DOE Assistant Secretary, sign the Cooperative Research and Development Agreement for the GE Hybrid Water Heater.

In announcing this partnership, Karsner said, "Research and development is an investment and today is a return on the investment. We don't want to burn our cash on old technology and this water heater is the very first ENERGY STAR branded water heater." ENERGY STAR is a DOE and U.S. Environmental Protection Agency (EPA) program to recognize consumer appliances that meet tough energy efficiency standards through a special ENERGY STAR branding.

The new water heater works by heat transfer, much like a heat pump does in heating your home. Heat from the air is absorbed and transferred into the water instead of heat being generated by electrical resistance. The newer model will cost about \$1200 upfront, which is higher than a standard water



GE's Henry Eng and DOE's Andy Karsner discuss the advantages of the first ENERGY STAR certified hybrid water heater.

heater. However, while traditional water heaters use about 4800 kilowatts per year, the hybrid uses only 2300 kilowatts, yielding a 50% cut in electricity usage. With approximately 4.5 million electric storage water heaters being shipped each year in the U.S., the potential savings is tremendous and may cover the additional purchase costs in as soon as two years based on usage.

"This is an example of a public/private partnership that works," said Karsner. Gerald Boyd, ORO Manager, was on hand for the announcement and praised the Technology Transfer Program for enabling these types of partnerships to be successful in Oak Ridge. "We have a premier national laboratory and Bob Hamilton's team provides a vehicle for technology based companies like GE to work on joint projects that accomplish energy savings for homeowners and businesses beginning next year." The new hybrid water heater is targeted for the market in the fourth quarter of 2009 at home improvement centers.

Karsner reflected on his visit to Oak Ridge noting that, "Coming to Oak Ridge is a knock your socks off experience -- for our energy security and economic prosperity," he said. "People will be able to see this water heater in their homes. DOE and ORNL bring things to life that affects our lives."

In the end, the work by ORO, like that found in the ORO Partnerships and Program Development Office, enables DOE programs to accomplish projects like the hybrid water heater project sponsored by the EERE. Our work at ORO makes a difference – with results soon to be in homes across America in 2009!

DOE's ETPP Fire Station Transferred to City of Oak Ridge



The City of Oak Ridge and the U.S. Department of Energy's (DOE) Oak Ridge Office celebrated the transfer of the former DOE Fire Station at East Tennessee Technology Park (ETTP) to the City of Oak Ridge with an open house and ceremonial signing of the deed. Residents, along with the DOE ORO Manager Gerald Boyd and Oak Ridge Fire Chief Mack Bailey joined Oak Ridge Mayor Tom Beehan to officially commence the Oak Ridge

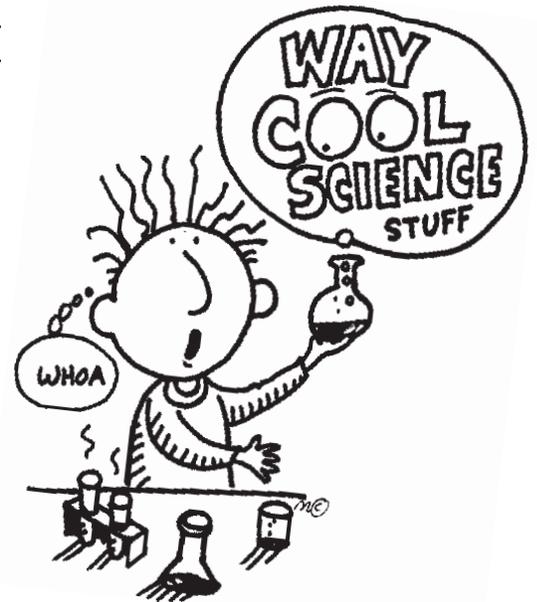
Fire Department's (ORFD) operation of Oak Ridge Fire Station #4. Congressman Wamp also submitted a video message congratulating the City of Oak Ridge and DOE on this historic accomplishment.

DOE transferred more than two acres of land, Building K-1652, three fire engines, two ambulances, one rescue truck, and one hazmat truck to the city. With this transfer, the ORFD will be able to provide municipal fire protection from Station #4 to the ETPP site, the industries on the west end of Bear Creek Road, and residences on the west end of the city. Station #4 will be operated by 29 full-time employees.



In October 2007, the ORFD began operations on the ETPP site in Building K-1652. Personnel from DOE, the City of Oak Ridge, and Bechtel Jacobs Company LLC worked together to transfer the services of the fire station to the City of Oak Ridge, with a minimum impact on the city's tax rate.

DOE Employees Assist At Eaton Elementary Science Fair



The Assistant Manager for Science (AMS) members (L to R) Michele Branton, Dennis Gound, Sherman Martin, David Buhaly, Greg Mills, and Cathy Kerley served as judges in the Eaton Elementary School (Lenoir City) Science Fair on May 7. Exhibits of models, experiments, demonstrations, and posters by students in grades K - 4 were evaluated. AMS has annually provided judges for the Eaton Fair for the last 8+ years.



ORO's Sherman Martin and Michele Branton listen intently as an Eaton student explains her science fair project.



THIS MONTH IN HISTORY

June



- ▲ In 1775, The United Colonies change their name to the United States.
- ▲ In 1860, the U.S. Secret Service is created to arrest counterfeiters and protect the president.
- ▲ In 1930, Frozen foods are sold commercially for the first time.
- ▲ In 1965, Astronaut Edward White becomes the first American to walk in space when he exits the Gemini 4 space capsule.
- ▲ In 1971, the New York Times begins publishing the Pentagon Papers.

----WANTED---- ORO EMPLOYEES' SUMMER STORIES



Inside OR is asking you to submit items and photos of your summer vacation for use in an upcoming issue of *Inside OR*. Please send a brief summary of your summer story and electronic photos (if possible) to fieldsdc@oro.doe.gov.

Please share with your co-workers the fun-in-the-sun summer times experienced with your friends and family! It should be noted that these do not have to be just vacation photos, rather they can be any item you wish to share on things such as a summer home project, hobby, family reunion, camping, etc. We look forward to seeing your submissions!

WE NEED YOUR HELP!

June is



NATIONAL SAFETY MONTH

“Make a Difference” is the theme of 2008 National Safety Month. This year’s National Safety Month will feature a weekly focus on the leading causes of preventable deaths--motor vehicle collisions, unintentional poisonings from overdoses, and falls--as well as the lifesaving benefits of CPR/AED training for people in the workplace, at home, and in their communities. 2008 National Safety Month weekly topics are:

Source: National Safety Council



Week 1: June 2 - 6 CPR/AED Awareness

Make a difference at work, at home in your community. Get trained/stay trained in CPR and AED.

- Heart disease – including heart attack – is the leading cause of death in the U.S. and a major cause of disability.
- Heart attack can strike anywhere: on the job, while driving, in our homes and communities.
- CPR and AED applied within minutes of sudden cardiac arrest doubles the chance of survival.
- CPR and AED also improves chances of surviving any incident that stops oxygen flow to the brain, including drowning, choking or exposure to electric shock.
- Your knowing CPR and AED could save a life.

CPR/AED training is available through your local Chapter of the National Safety Council. Visit us at www.nsc.org.



Week 2: June 9 - 13 Distracted Driving

Did you know that nearly 80% of crashes involve some form of driver inattention?

- Cell phone use is the most common distraction for drivers.
- An estimated 10 percent of drivers in typical daylight are using some type of phone, hand-held or hands-free.
- Talking, listening and dialing are equally dangerous. Hands-free cell phone conversations are as distracting as those on a hand-held device.
- The slower reaction time caused by cell phone use is comparable to that of people who are legally drunk (.08 blood alcohol content).
- Texting, GPS and in-car computers have added to the boom in distracting technologies.

The NSC reminds drivers that their first responsibility is safe driving. The NSC recommends that drivers establish and enforce a “driver distraction-free zone” inside their vehicles.



Week 3: June 16 - 20 Poisoning from Unintentional Overdoses

The misuse and abuse of prescription drugs is contributing significantly to a dramatic rise in the number accidental deaths due to overdoses.

When taking a prescription drug, know your risks.

- People ages 45-64 account for the fastest growing accidental overdose death rate.
- Deaths from unintentional overdoses tripled from 1992 to 2003, while poisoning deaths due to other substances remained constant.
- The largest numerical increase in drug overdoses today is among non-Hispanic white men (4,839 fatalities among men 45-64 in 2004).
- The largest rate increase is among non-Hispanic white women (up 300% since 1992).
- There is a strong tie between the rise in overdose fatalities and the rise in consumption of prescription drugs.

See poisoning from unintentional overdose data and prevention tips from the National Safety Council at www.nsc.org.



Week 4: June 23 - 27 Falls Prevention

Falls are more common than you think. Ranked third among the leading causes of accidental death in the United States, deaths from falls are a growing safety concern as the nation’s population ages.

Falls Prevention in the Workplace

- Aisles, stairs and walkways should be clutter-free; spills should be wiped, dropped objects picked up and cabinet drawers closed when not in use.
- Use handrails on stairways; take one step at a time and report broken stairs or loose stair coverings
- Apply nonskid floor coatings and slip-resistant mats where falls are likely. Slow down and take small steps when walking on a wet or slippery surface.
- Wear slip-resistant footwear and keep shoe soles clean for better traction if your work area tends to be wet, dirty or oily.
- Inspect ladders before and after every use.
- Report every incident – even minor falls. Your efforts can save someone else from a more serious injury.

Falls Prevention for Aging Adults

- Wear proper footwear. Athletic shoes greatly reduce the risk of falls among the elderly. The risk of falling increases if in stocking feet or barefoot.
- Install handrails in stairways and grab bars in the bathroom near the toilet, in the shower and along the tub.
- Keep living areas well lit and place a night light in the bathroom.
- Use non-skid throw rugs to reduce chances of slipping on linoleum.
- Store frequently used items in easy-to-reach areas.
- Exercise regularly. The stronger the body, the more likely a person is to sustain a fall.
- Monitor medications. Studies show older adults taking more than four medications are at high risk for falls.

Local Scout Troop #324 Tours DOE's Operations Center

Debra Dyer of ORO explains Oak Ridge Operations Center's (OROC's) role in the DOE day-to-day emergency operations.



Local Boy Scout Troop 324 recently visited the DOE Federal Building and toured the OROC as part of a requirement to earn a "civility" badge. The Troop also visited Congressman Wamp's local office while here.

