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US Army Corps  
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Nashville District

# DistrictDigest

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Respected-Responsible-Reliable

July 2004

## Engineer Day Fun & Games

See Pages 6 & 7



## Danger of Heat Stroke Greater Now

by Park Ranger Becky Jolly, Old Hickory Lake

Summer is the time for fun and sun. Long days and exposure to high humidity and hot temperatures on the shoreline or out in a boat can lead to heat stroke, heat cramps, or heat exhaustion. The higher the humidity, the less efficiently heat is lost from the body. Children and the elderly are at greater risks.

Heat stroke is extremely serious and life threatening. It occurs when the human body's temperature control system stops producing sweat to cool the body. Symptoms to watch out for include hot, red, and dry skin, change in consciousness, rapid weak pulse and rapid shallow breathing.

Your body needs to replenish its fluids to keep cool. **EVEN IF YOU DO NOT FEEL THIRSTY**, drinking plenty of water and sport drinks can easily prevent heat stroke. Avoid drinks with alcohol and caffeine in them as these can lead to dehydration. It is also important to dress in light-colored, lightweight, loose-fitting clothing to aid the body in cooling.

If you suspect someone is suffering from heat stroke, begin treatment

immediately. Get the person indoors or in a shaded area lying down with their feet slightly elevated. Apply cool water to the head and neck, or ice packs if available around the neck, armpits and groin area. If symptoms persist, seek medical treatment.

While enjoying the outdoors, remember the following tips: during

the hottest part of the day stay in a shaded area or decrease activities until early morning or evening, always wear sunscreen, drink plenty of fluids, and keep a watchful eye on those around you for any symptoms of heat stroke. With these simple precautions, we can all enjoy a fun-filled summer. 🏖️

## Just to Be On the Safe Side

by John Tibbels

Each year boaters are injured or killed by carbon monoxide, an odorless, colorless, tasteless gas that mixes evenly with air. Most incidents of poisoning occur on older boats and within the cabin or other enclosed areas.

Carbon monoxide is potentially deadly and produced any time a carbon-based fuel, such as gasoline, propane, charcoal or oil, is burned. Gasoline engines and cooking ranges on your boat are sources.

Carbon monoxide enters the bloodstream through the lungs and displaces the oxygen a body needs. Early symptoms of carbon monoxide poisoning include irritated eyes, headache, nausea,

weakness and dizziness. Prolonged exposure can cause death.

What To Do:

1. Schedule regular engine and exhaust system maintenance inspections.
2. Be aware that dangerous concentrations of carbon monoxide can accumulate while a craft is being docked.
3. Keep forward-facing hatches open, even in inclement weather, to allow circulation of fresh air.
4. Do not confuse carbon monoxide poisoning with seasickness or intoxication.
5. Do not let people swim in areas near engine or generator exhaust.
6. Install a carbon monoxide detector in each accommodation space on your boat. 🏠

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## Sounds of Success Coming to Nashville

Federally Employed Women (FEW) will hold its 35<sup>th</sup> National Training Program in Nashville July 19 - 23 at Opryland. The training is structured to provide attendees with tools required to establish and build a successful career in today's evolving workplace. They are also given a unique opportunity to network with thousands of women and men from government, industry, and academia.

Singer, author and speaker Naomi Judd will share her motivational account of victory over nearly insurmountable challenges on Tuesday, July 20 at 7 p.m.

A military awards banquet Wednesday at 7 p.m. will pay tribute to women from every service (active, reserves, and

National Guard) currently serving around the world.

"If ever there was a year," said FEW President Patricia Wolf, "for *Federally Employed Women* to honor women wearing the uniform, this is it."

More than 100 trainers will present to novice, skilled, and expert level trainees, in positions ranging from entry-level through managerial and supervisory levels.

For more than 35 years, FEW has been *working for the advancement of women in government*. FEW's many activities have impacted the Federal workplace and contributed to improved working conditions for all. For more information, visit [www.fewntp.org](http://www.fewntp.org).



photo by Bill Peoples

## On the Cover

A member of the "Rangers" (right) attacks against the "Ensch Worms" June 24 at Engineer Day festivities held at Old Hickory Lake. The Enschede Worms went on to win the match and the tournament. For more photos, see pages 6 and 7.

## District Digest

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Information about the Nashville District may also be found on the District's homepage at: <http://www.lrn.usace.army.mil>.

# Lakes Host Kids for Free Fishing Day

by Dave Treadway

Several District lakes hosted fishing events in June, much to the enjoyment of youngsters in both Tennessee and Kentucky.

Lake Cumberland staged "Catch a Rainbow Kids Fishing Derby" at Kendall Recreation Area, Cordell Hull hosted a free fishing day, and Lake Barkley held the Cadiz Free Fishing Day June 5.

"We partner with the city of Cadiz," said Park Ranger Brock Jones, "for the one-day event at Cadiz Recreation Area. We had approximately 250 kids this year accompanied by at least 150 adults. We divided kids into four age groups and they competed for prizes within their age group. Prizes, all donated by area merchants or purchased by the committee, were awarded for most fish, biggest fish, and smallest fish."

Big winners, easily identified by a huge smile, took away shiny new bicycles. Young fishermen were treated to a cookout immediately following the fishing tournament and awarding of prizes.

J. Percy Priest staged a Fishing Rodeo June 9, which was co-hosted by the Tennessee Wildlife Resources Agency and local Bass Pro Shops.

Resource Manager Todd Yann said the partnership allowed him to offer so much more to youngsters.

"I think this event is a great opportunity for a partnership," said Yann. "We've had



photo by Crystal Tingle

Ashley Cook captured second place in the 5 and under age group with this fish at Cheatham Lake.

wonderful cooperation among all the partners so that's really gratifying and helps us to do so much more than what we could on our own. Today kids spend so much time in front of TVs and Game Boys. This allows them to appreciate the outdoors and what it has to offer. For some of these kids, especially from an urban environment, this may be the only opportunity they have to come into contact with the outdoors and engage in an activity such as this."

New Park Ranger Stacy Bilbrey, a recent graduate of Tennessee Tech University in Cookeville where he earned a degree in Wildlife and Fisheries Science, enjoyed interacting with the children as he taught a class.

"I talked to youngsters about the danger of drowning in the lake," said Bilbrey, "demonstrated how to properly wear the right-size life jacket, and the correct items that might be used to throw to a drowning victim. We helped educate about 100 children from two elementary schools in Murfreesboro, and our four stations helped educate them on casting, fishing ethics, water safety and, of course, the fish themselves."

Cheatham and Dale Hollow staged events June 12. The Kids' Fishing Rodeo at Dale Hollow Lake near the National Fish Hatchery was a great success with 264 youngsters signed up, according to Park Ranger Sondra Hafling. She said probably three adults/grandparents were with each child.

Cheatham Lake's 13th Annual Fish Bust-in' Rodeo drew 190 young anglers hoping to pull a 'big one' from the inlet in the Right Bank Recreation Area, an area stocked with more than 1,000 pounds of catfish. Many left with an impressive stringer.

More than 130 door prizes valued at \$650 were given away during the event, and 375 hot dogs disappeared. Kristin Cook (age 5 and under), Trista Goolsby



photo by Brian Mangrum

Hopeful fishermen line the bank of a trout stream at Dale Hollow June 12.

(age 6-10), and Louis Blades (age 11-15) earned first place awards for the heaviest stringer. Goolsby caught the biggest fish at 5.4 pounds.

Pro Fish Endeavors and the Tennessee Wildlife Resources Agency helped host the event. Steve Cochran of American Bass Anglers, Bill Garrett of Pro Fish Endeavors, Madison Trophy Shop, Purity Dairies, Tommy Pardue, Wayne Reeves Septic Tank Service, and Wal-Mart were singled out for special thanks.



A proud angler displays his catch at Dale Hollow. Watch out Bill Dance!

photo by Brian Mangrum

# The Corps Crowd

## Congratulations to...

... Terry Martin as he begins his new position as park ranger in the Mid-Cumberland Area office.

...Xuan Truong, an electrical engineer in the Electronics Service Section-CELRN-OP-ESS, who graduated Magna Cum Laude and earned his Bachelor's Degree in electrical engineering and mathematics from Vanderbilt University May 14. He is the brother of Long Truong, who works in the Design Branch.

...Henrietta Leveridge, office assistant, Wolf Creek Power Plant, on her retirement effective June 30, with 30 years of service.

... Stacy and Jessica Bilbrey, who were married June 12, Stacy Bilbrey is a park ranger at J. Percy Priest Lake.

...Olga Beddingfield, power project manager at Old Hickory Power Plant, on the graduation of her son, John Henry, from Father Ryan High School.

## Welcome to...

...John C. Brewington, lock and dam equipment mechanic, Cheatham Lock. John formerly worked at the Cumberland River Operations Center.

... Lake Cumberland's new Master Tender, Gary Burke.

...new Old Hickory Rangers Lindsey Houchens, a Co-op student who is attending school at UT Knoxville, and Charlie Leath who transferred from Cheatham Lake.

...Park Contract Inspector David R. Devlin who joins the Cordell Hull Lake staff.

## Baby Brigade to...

...La Dawna Coleman, daughter of Wanda Coleman, Human Resources, and sister of Lynetta Coleman, Contracting Student Aid, who delivered a healthy baby boy, David Christopher, on June 28, weighing in at 7 pounds.

... Carl Crews, Resource Manager, Old Hickory Lake, and his wife Carol on the birth of their newest grandson, Aidan Crews, who was born June 28, and weighed in at 7 pounds. Aidan is also the first grandson of Judy Smith, formerly with Nashville District and now with Huntsville District. Her daughter, Tiffany,

is the mom and Daniel Crews is the brand new dad.



Aidan Crews

## Speedy Recovery to...

...Theo Caldwell, who is still in the "Rehab Mode" after his hip replacement. This time is for healing and exercising the muscles involved in the normal actions of his hip's operation. He is still dealing with lots of pain involving his knee and will be visiting a doctor July 27 to determine if anything can be done to relieve his pain. He plans to try to get by for a visit and said he misses us all.

## Sympathy to...

...Janice Nelson, J. Percy Priest Resource park contract inspector, whose husband William "Wild Bill" Nelson, age 57, passed away June 25. Bill was a lock operator at Cheatham Lock.

## Farewell to...

... James Clouse, as he leaves Center Hill Lake to continue his education at Tennes-

## From a Distinguished Employee...

I made no comments at the presentation of the Distinguished Civilian Employee Awards at the picnic since I was sufficiently overwhelmed I did not feel comfortable with my many thoughts. However, I now offer the following:

I am humbled by the honor and recognition by the Corps family.

We all expect to do our job as best we can without such awards, but recognition for these efforts is always good. Not in my wildest dreams did I ever expect my name to be inscribed in any manner in our office building. I know any successes in my career depended greatly on the many co-workers I was privileged to work with over the years. I likely gained more from those I did not agree with as those who thought more like me.

see Tech University.

... Larry Richardson, Pickwick lock & dam operator, who retired May 30.



Lockmaster Donnie Damron presents Larry Richardson a certificate July 1.

... Helen Jeffreys, Wheeler lock & dam operator, who retired June 30.

## Thanks to...

...all my Corps family for all the gifts, prayers, blessings and warm wishes extended to Keith and I as we began our new life together. I love my Corps family and thank you from the bottom of my heart. You are wonderful and I appreciate each and every one of you.

*Sherry Phillips Romine*

Finally, I want to recognize another member of the Corps Family, my Mother-in-Law, Thelma Hudson who passed away in 1999. Thelma was a dedicated Corps employee for many years before retiring in 1982. Thelma and her lovely daughter, my wife Linda, and our children Eric (also a career Corps employee) and Laura were all a major influence in any successes I may have achieved in the Corps.

*Cliff Reinert, USCEC, Retired 1997*



# Lieutenant Colonel Byron Jorns From Where I Sit

Folks, ...I thoroughly enjoyed our Annual Corps-day picnic at Old Hickory lake June 24. This day was a great coming together of our past and present workforce. It is not lost on me the tremendous work required, behind the scenes, to pull off such an event. I learned how to pull pork the night before with the preparation team...and got to hear some great music later in the evening. I greatly appreciate the efforts of the many unsung heroes that made this an enjoyable day for the entire Nashville District team. Feedback is key to making next year's event even better. Please provide your comments/suggestions to Cullum Miller so we can plan for next year.

## Communication

...P2 implementation has been somewhat frustrating for some of us due to a slow computer server. Your comments helped focus BG Hawkins and others towards fixing this problem with increased speed from Huntsville's computer system. Thanks for staying the course and continuing to articulate problem areas as they arise. As you know, this is a journey. I'm pleased to see how well we're communicating our needs to get issues resolved. I encourage everyone to continue to work the P2 issue(s).

...our preliminary FY'06 budget is submitted to LRD and favorably approved. A lot of great work went into this product at a time when many other demands were placed on our time. Thanks for the many hours (and "after hours") that went into this. I think the bottom line is that Nashville District is capable of "living within our means" with an aligned workforce vs. workload...yet we will continue to take advantage of efficiencies as opportunities arise.

...the Guntersville dewatering was a tremendous success. Great upfront planning as well as skillful execution resulted in a safe dewatering that was completely ahead of schedule.

...more next month on this but at press time we were made aware of four employees who are setting the standard for the Great Lakes and Ohio River Division. Doug Radley was named winner of the CELRD Leadership Excellence Award, Mary Hayeland was named winner of the CELRD Administrative & Office Support Award, Bob Sneed was named winner of the CELRD Outstanding Environmental Stewardship Award and Mike Ensich was named winner of the CELRD Civilian of the Year Award. Tom Swor set the Corps standard as he was named winner of the USACE Planner of the Year Award. Congratulations to all!

Now just a few safety notes to consider. Summer months are not the time to take a vacation from fire safety. Whether your plans include hotel stays, camping or backyard barbecues, make



sure that fire safety plays an important role. While getting ready for the backyard barbecues, remember that electricity and water don't mix. If it's raining avoid using electric yard tools. On a final note, drinking and driving is considered to be the most serious traffic problem in the United States. Having only a single drink before driving can affect your driving ability. Have fun with your love ones and, above all, stay safe. 🍷

## June Employee of the Month

Public Affairs Assistant Brigitte Rugare was selected as the June Nashville District Employee of the Month.

Rugare was selected because of her critical role in planning, organizing and supervising the Engineer Day Picnic on June 24. From the first planning meetings, she was instrumental in the selection of the theme and the date for the picnic. She arranged for the layout and the printing of the publicity flyers as well as organized ticket sales and



Brigitte Rugare

coordinated the volunteers for the drink booth, the children's games, the kitchen work, and the cleanup.

Not only did Rugare organize the efforts, she

also actively participated in this work herself as an example of true servant leadership. The energetic Rugare took part in purchasing food for the picnic, ensured that she made the best use of materials left over from the previous year's picnic, arranged for truckloads of supplies, and even assisted with the unloading at the site.

On the night before the picnic, she organized volunteers to pull pork on-site, and still arrived at the picnic site by 6 a.m. to begin preparing food to be ready to serve by 11. She and her volunteers then served ice cream after the picnic and helped clean up. Her organizational abilities and talent for motivating people by example are commendable and reflect her leadership, dedication and commitment to every task she undertakes.

Senior leaders select the District employee of the Month from the many excellent employees identified by the District's chain of command. Selectees personify the seven Army values of loyalty, duty, respect, selfless service, honor, integrity, and personal courage. 🍷

# Corps Command Changes Hands

Washington D.C., July 1, 2004 – Maj. Gen. Carl A. Strock took command of the U.S. Army Corps of Engineers in a military ceremony on July 1 at Fort Myer, Va. Gen. Peter J. Schoomaker, Army Chief of Staff, hosted the ceremony. Strock replaces Lt. Gen. Robert B. Flowers who retired during the same ceremony after 35 years of Army service.

Flowers served as the Army's 50th Chief of Engineers from Oct. 2000 until today.

"General Flowers is a leader, and a warrior, and we are thankful for his dedicated service," said Schoomaker.

"The last four years, I've commanded a unique organization, the U.S. Army Corps of Engineers. There's nothing else like it," said Flowers. "Unique in all the world, great civil servants, taking care of the nation and it's Armed Forces, and I'm enormously proud of all of them." He acknowledged the many officers, noncommissioned officers and fellow Soldiers, who mentored him.

During the ceremony, Flowers and Strock passed the ceremonial flag, symbolizing the change of command.

Strock is the 51st Chief of Engineers. The U.S. Senate confirmed his nomination as Chief of Engineers on June 25, with promotion to the rank of Lieutenant

General. However, the promotion will not take place until later this summer.

"I am deeply honored and truly humbled to stand before you today," said Strock. "I am honored because there is no greater privilege than to be entrusted with command when your nation is at war."

Strock has served the Army 33 years. He was previously assigned as the Director of Civil Works, and the Director of Military Programs at the U.S. Army Corps of Engineers, Washington D.C. He also served as Deputy Director of Operations for the

Coalition Provisional Authority, Operation Iraqi Freedom.



photo by F.T. Eyre

**Gen. Peter J. Schoomaker (left), U.S. Army Chief of Staff pins the historic MacArthur Castles, which are worn by the Chief of Engineers, on the lapel of Maj. Gen. Carl A. Strock during the Retirement Review and Change of Command ceremony at Fort Myer, Arlington, Va., on July 1. These castles were given to Gen. Douglas MacArthur when he was commissioned as an engineer officer and have been worn by every Chief of Engineers since 1975. Out of the picture is Julie Strock, wife of Maj. Gen. Strock, who assisted in the ceremony.**

As Chief of Engineers, he leads the world's largest public engineering agency with 35,000 employees.

## Suggestion Program Goes Online, Submissions Electronic

The Army Suggestion Program (ASP) has moved into the 21st century and gone electronic. The result is that now employees must access a new website through the Army Knowledge Online to submit a suggestion. The Program Link can be found under "Frequently Used Links" on the ASP website.

Diann Farmer, Suggestion Coordinator for Nashville District, explained how the program works.

"The program," said Farmer, "is designed to encourage soldiers and civilians to submit ideas that may increase the efficiency and productivity of the Army. A side benefit of ASP is an increase in morale by giving individuals the opportunity to voluntarily take part in the improvement of operations and the

quality of life within the Army. Cash awards of up to \$25,000 are authorized."

The AKO website offers employees many advantages.

"The AKO website," said Farmer, "not only is one location where users can upload suggestions for consideration, but the site also retains those suggestions, processes new suggestions, and administers control lists pertaining to each suggestion. When the suggestion enters the ASP system, it will be assigned a unique identifier for tracking purposes. Department of the Army standards require the receipt, evaluation, and disposition of an idea within 30 calendar days at each command level." She pointed out that more time might be required, and allowed, when a test or

analysis period is needed. Farmer pointed out that the Army Suggestion Program uses AKO email addresses for all correspondence so employees must be sure they have forwarded their AKO email to their present email address. To access the ASP application, a valid AKO username and password is required.

The website allows suggestions to be submitted by one designated individual on behalf of a group or team.

As Coordinator, Farmer is responsible for any contact needed with the submitter throughout the entire ASP process, regardless of the level the suggestion is processed. Once an employee submits a suggestion, Farmer's POC information is provided via email. For more information on the program, call 615-736-7499.



# Nav Branch Maps Rivers for Electronic Charts

Story and photos by Dave Treadway

The Nashville District is currently developing Inland Electronic Navigation Charts (IENCs) for the Cumberland River, an initiative in response to demand from the inland navigation industry and capability of technology with small computers and availability of accurate Global Positioning Systems (GPS).

When finished, the charts will become part of 8,200 miles of rivers in the U.S. with such navigation aids. They will offer accurate and consistent depiction of waterway features for inland navigable waterways maintained by the Corps. When used with commercial electronic chart systems and GPS, the IENCs greatly benefit safety and efficiency of navigation, according to Tony Niles, Geospatial Applications Branch, Engineer Research and Development Center.

"We use a computer program called HYPAC," explained Civil Engineering Technician Wayne Ligon, Navigation Branch, "which was developed specifically for the Corps to perform hydrographic survey work on inland river systems to map our navigable waterways."

Ligon, Bob Taphorn and Owen Traugher, two other civil engineering technicians, used the software onboard their survey workboat to collect data on the Cumberland River during April and May, then began the same procedure on the Nashville portion of the Tennessee-Tombigbee Waterway in late June.

"The Tennessee River will take some time to complete," said Ligon. "We may collect that data in phases because the system is so long."

Taphorn demonstrated the technique July 1 while mapping a portion of the Tennessee River below Pickwick Lock & Dam.

"We mark points of the river with the Global Positioning System," said Taphorn, "then tell the software to mark lines at 500-foot intervals between those points." He then steered the craft to run each of the plotted lines marked by the hydro software.

"This procedure," explained Traugher, "keeps the transducer in a straight line

for an accurate profile reading of the riverbed from shore to shore."

Nashville then turns that data over to Photo Sciences, Inc., the contractor which has the most experience with IENCs, which will convert it to the S-57 format of the International Hydrographic Organization and deliver it to the Corps'

Topographic Engineering Center. The Engineering Center will then ensure compliance with Corps standards and make the IENCs available to industry and the public.

The contract firm, Vaughn & Melton, has been instrumental in providing survey control throughout the area and in locating bridge piers and other fixed features.



**Bob Taphorn navigates the workboat along a prescribed course on the Tennessee River July 1 to record data that will be sent to the Corps' Topographic Engineering Center.**

"What is created by the data," explained Taphorn, "will be overlaid with aerial photographs of the river to produce electronic charts."

Following recommendations by the National Transportation Safety Board, the National Academy of Science and the American Waterways Operators, Congress provided \$4 million and directed the Corps of Engineers to develop and publish electronic charts for the inland waterways.

Unlike current hardcopy chart books produced by Corps districts, the electronic charts will have consistent features, scale, accuracy, and update frequency. The electronic products will be consistent with efforts in other countries and be compatible with electronic chart display and information systems (ECDIS) and electronic chart systems (ECS).

Electronic navigation charts have been available for ocean-going vessels for several years. Inland navigation in the U.S., however, has some fundamental distinctions from coastal, deep-draft navigation, which could translate to unique requirements for the planned charts. On inland waterways, for example, river levels can change by more than 30 feet in a seasonal cycle, the navigation channel can shift significantly



**Owen Traugher uses HYPAC software to map topography on the riverbed.**

**For complete story, go to <http://www.lrn.usace.army.mil/pao/digest/>**

## A Special Breed of Cat

# Remembering the Core Drill Crews

Story and photos by Jody Stanton

Get two or three 'old hands' in GeoTechnical Branch together and sooner or later they will get around to swapping stories about life 'behind the rig'. The uninitiated might need an interpreter to follow the lingo.

They'll reminisce about 'copper heads under the supply truck', strange techniques for thawing frozen pumps, and 'watermelons in the stock tank' but mostly they'll talk about the drillers and helpers who kept things 'turning to the right'.

Over the course of the past 50 years, drill crews from the Nashville District have poked precise holes in the earth's crust from Smithland to Harlan and all points in between. They've been frozen in Chicago while drilling holes for the Tunnels And Reservoirs Project, and then baked in New Mexico while drilling a deep hole to monitor a test blast. Many agencies and organizations have benefited from their special expertise - the National Park Service, the Army's Fort Campbell, the



William G. Cash operates a Core Drill rig.



Paul Ross serves as a member of a drilling crew at Kentucky Dam.

Defense Nuclear Agency, the Department of Energy, the Tennessee Valley Authority - to name only a few.

Working on a drill rig was not for everyone and, as a result, there was always a certain pride among those 'who could cut it'. For many, their first day on the rig was also their last.

Workers hit the road on Sunday to be on the job early Monday morning. Living out of a suitcase came with the territory. Sometimes the hole had to be drilled in the swamps around Doskie, Miss., sometimes on a mountain in Harlan, Ky. Getting 'there', wherever there happened to be, was often tough and the weather was a constant factor.

The work was dirty, the equipment heavy. If your attention strayed at the wrong time, there were lots of ways to get hurt ... it was great. For every cold winter there was a warm spring and for every hot summer there was a beautiful fall.

A drill crew was a unique collection of individuals. A 10-foot 'stick of core' was a cause for celebration and there was always a practical joke waiting for the unwary. Working with a good crew was a thing of beauty.

James W. Simmons was the ultimate prankster and would manufacture outlandish and unrecognizable gizmos and wait for someone to ask what they were. He always had a name for the gizmo that made you feel foolish. He also had the dangerous 'mon-

goose in the shoe box'.

On the trip back to the motel in the crew cab after a long day of soil sampling near Bay Springs, I fell asleep within a few miles of the site. Driller Albert Regg woke me up by vigorously banging a hard hat against the metal roof of the crew cab. Gradually my heart rate returned to normal and within a few more miles I was asleep again. Albert still had the hard hat and still knew how to use it. This performance was repeated a couple more times until I realized sleep in the crew cab was not an option. I sat there contemplating revenge in various forms until a few miles down the road Tommy Clayton, who was driving, nudged me and silently jerked his thumb toward the back seat. There sat Albert, head lolling in obvious total relaxation, dead to the world. My moment had arrived. With all the stealth I could muster I picked up a hard hat, eyeing my quarry. I shifted position to gain maximum impact with the roof and was just about to make my move when Albert's head jerked up. "BOO!" he said, and my dreams of revenge were shattered.

The task of making a hole in the ground seems, on the surface, to be pretty straightforward but the procedure turns out to be much more complicated. The best drillers always have 'a feel' for what is happening at the bit. Through the touch of the controls, a close watch on rotation, **For complete story, go to <http://www.lrn.usace.army.mil/pao/digest/>**

# District Promotes Clean Marinas at Area Lakes

Story and photo by Dave Treadway

The Nashville District is implementing a Clean Marina Program (CMP) for the Cumberland River Basin and becomes one of the first Corps Districts in the nation to sponsor such a program.

The program allows marina operators to certify they are environmentally conscious and are attempting to go above and beyond what is required by law, regulations and within their lease requirements.

Major General (P) Carl A. Strock, the new Chief of Engineers, endorsed the program while Director of Civil Works in a May letter to Division and District commanders.

"Building on the solid foundation of our Environmental Operating Principles," wrote Maj.Gen. (P) Strock, "and in implementation of our Civil Works Strategic Plan, the Corps of Engineers strongly endorses the Clean Marina Program and encouraged all Districts to share information on the program with their lessees and recreation partners."

Originally developed in coastal states to address non-point source pollution under the Coastal Zone Management Act Reauthorization Amendments of 1990, Clean Marine Programs have been adopted or are being developed in 18 states, the District of Columbia, and by several federal agencies.

Maj.Gen. Strock pointed out that with 456 lakes around the United States, the Corps of Engineers, with agency partners, is the largest provider of marinas east of the Mississippi River.

The program is designed to help marina operators protect the very resource that provides them with their livelihood. It also encourages boater education, increased coordination among state agencies, and better communication of existing laws.

Two Cumberland River Basin Marinas, Willow Grove Marina at Dale Hollow, and Green Turtle Bay Marina at Lake Barkley, will serve as models for the certification process, said Conservation Biologist Dena Williams. Other marinas at Old Hickory Lake and J. Percy Priest Lake have expressed interest in the program. Officials hope to open the program to all other interested marina operators next spring.



"Eventually we would like to have marinas certified on each of our lakes," said Williams.

Conservation Biologist Maurice Simpson called Nashville's program a model of cooperation.

"Many of our partnering agencies," said Simpson, "worked closely with us as we drafted our guidebook and certification checklist. David Duhl with Tennessee Department of Environment Conservation, Division of Water Pollution Control, reviewed it and provided valuable suggestions for improvement, as did Margo Farnsworth, Director of the Cumberland River Compact. Betsy Woods, with the Tennessee Wildlife Resources Agency, reviewed our program and then gave us permission to use the agency's logo in the package."

Marina operators must take a number of steps to attain certification.

They must first sign a pledge and commit "to controlling pollution and erosion at their facility and to promoting water-protective

behavior with the boating public." They must familiarize themselves with the Program guidebook and accompanying checklist. With that checklist, they must conduct a self-assessment and invite the lake resource manager to visit and endorse the marina for the program.

The checklist covers a wide variety of related questions in seven critical areas; sewage management, oil and gas control, solid waste and petroleum recycling/disposal, vessel maintenance and repair, marina siting, design and maintenance, stormwater management and erosion control, and finally public education and water safety.

Certification means the marina can display a certificate and Cumberland River Basin Clean Marina flag indicating their new status. Recognition in press releases and promotions can then follow. Re-certification every five years is then required.

Modeled after the Tennessee Valley Authority (TVA) program created in 2002 by Linda Harris, TVA senior field representative, the CMP is entirely voluntary.

"We are so excited that Nashville District has moved ahead so quickly," said Harris, "and pleased to have been a support system for the Corps effort!"

If a marina changes hands, new owners must go through the process.

For more information, contact the lake resource manager. 📞



High School students work at Conley Bottom Marina on Lake Cumberland to help rid the lake of garbage. The Marina has supported the effort since the very beginning.

# Employees Mark Engineer Day With Fun & Games



With superb weather again this year, (two in a row) Nashville District employees enjoyed a relaxing day filled with many festivities!

Many folks worked hard planning and organizing so that friends and family members could enjoy the annual event. Those who made the event possible can take great pride in the outcome.

The Equal Employment Opportunity team of Marva Morris, Stephanie Coleman and Channika Williams gave everyone an equal chance to participate, then went out and captured First Place in the Relay Race. Project Management captured second. Team members were Wayne Huddleston, Logan Huddleston (Wayne's son) & Jacob Firsching (Kathryn's son). Human Resources took third and team members were Wanda Coleman, Sue Crofutt and Rachel Owens.

The annual horseshoe and volleyball tournaments were again a success with many great competitors and close matches!

Theuron Owens (husband of Rachel Owens in HR) and Darius Walker are the new horseshoe pitching champions. The duo of Jeri Cook (NAS/A) and John Ledford, (husband of Zina Ledford, NAS/A) placed second.

The annual volleyball tournament featured 10 teams and when the sand had settled and the net came down, the Operations "Enchworms" had inched-out a victory over the Engineering/Construction team. The Rangers team placed third and the Design A team captured fourth. What a great day for volleyball!



These and many other images can be viewed and copied from the H drive(LRNFS04) in folders PAO/VISUALS/PICNIC2004. photos by Bill Peoples and Ed Evans

