



Tennessee
Citizens for
Wilderness
Planning

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July 21, 2013

Taking Care of Wild Places

The BIG stories

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Proposal to hunt Sandhill Cranes ¶2B

Cherokee NF Wilderness bill reintroduced ¶4

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Will limit CO₂ emitted by existing coal plants ¶6A

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Shaded box or star means "Action Needed." Don't be overwhelmed -- check the ACTION SUMMARY on p. 2

12. ACTION SUMMARY

No.	Issue	Contact	"Message!" or Action
1A	Withdrawals from Obed watershed		Check TCWP website for suggested actions. Get on e-lerc list
2A	Fracking in Cumberland Forest	Gov. Haslam; UT Trustees	"Delay decisions on UTIA proposal! Consider consequences!"
2B	Hunting of Sandhill Cranes	By 8/10, to TWRA; copies	"Cranes are most watchable species – not a game species!"
4	Wilderness in Cherokee NF	Sens. Alexander and Corker	"Thank you! Please work on getting bill passed!"
6A	Measures to curb carbon pollution	Your US sens. and rep.	"I strongly support the President's plans!"
6B	Bill McKibben talk		Plan to attend on Aug.18
7A	Coal-plant water pollution	EPA Your US senators	"Set standards for zero discharge of toxic heavy metals!" "EPA's power to regulate coal ash must not be weakened!"
7B	Fracking on federal lands	BLM	"Proposed rules are weak. Water requirements are devastating!"
9	Power line near BORCE, greenway	DOE; various copies	"Rescind the powerline easement!"

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Dear Senator Doe
Sincerely yours,

Dear Congressman Doe
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Dear Gov. Haslam
Respectfully yours,

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To call any Repr. or Senator, dial Congressional switchboard, 202-224-3121. To find out about the status of bills, call 202-225-1772.
URLs: <http://www.house.gov/lastname/> and <http://lastname.senate.gov/> General contact info: <http://www.lcv.org>
With mail to Congress still slow following the anthrax scare, consider faxing, phoning, and other modes of communication.

There is much contact information in the up-to-date Political Guide. You can also access the Guide, some current action calls, and much other information, on TCWP's website (<http://www.tcwp.org>). You can choose to receive e-alerts by contacting Sandra Goss (see below).

WHAT IS TCWP?

TCWP (Tennessee Citizens for Wilderness Planning) is dedicated to achieving and perpetuating protection of natural lands and waters by means of public ownership, legislation, or cooperation of the private sector. While our first focus is on the Cumberland and Appalachian regions of Tennessee, our efforts may extend to the rest of the state and the nation. TCWP's strength lies in researching information pertinent to an issue, informing and educating our membership and the public, interacting with groups having similar objectives, and working through the legislative, administrative, and judicial branches of government on the federal, state, and local levels.

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TCWP website: <http://www.tcwp.org>.

1. A THREAT TO THE OBED; other OBED AND BIG SOUTH FORK NEWS

1A. *Yet another proposal to use Obed watershed for Cumberland County water supply*

[Info from *Crossville Chronicle*, 7/16]

Everett Bolin, the General Manager of the Crab Orchard Utility District (COUD), has proposed to “harvest” water from Daddy’s Creek at high flow, store it in the old county quarry at Crab Orchard, construct a water treatment plant nearby and use the water for COUD needs, which a recent study by the Corps said might outpace supply by 2036, based on the report’s projected population growth. Bolin’s idea has gone beyond the proposal stage: he has applied to the Tennessee Department of Environment and Conservation (TDEC) for a permit to take 5% of the flow of Daddy’s Creek.

This is a déjà vu situation. TCWP has fought several battles in the past to keep the Obed watershed protected from withdrawals for Cumberland County water supply. One battle we lost resulted in construction of a supply reservoir on Otter Creek (an Obed tributary). Part of a solution we won was the county’s use of Crossville’s Meadow Park Lake (*not* in the Obed watershed), which can supply 3.5 million gallons per day.

WHAT YOU CAN DO: TCWP is attempting to learn more about this potential threat. Please check our website (www.tcwp.org) and e-lets (if you are on the list) for suggested actions.

1B. *Visitor-use survey for BSFNRRRA reveals great support for protecting natural features*

[From

www.nps.gov/biso/naturescience/upload/263_BISO_rept.pdf]

Visitors from 21 states answered a survey conducted in September 2012 by the park and the Univ. of Idaho. For 36% it was the first visit, but 44% had been there at least 5 times. The average length of stay in the park was 1.3 days — slightly longer than the national park average. The vast majority considered protection of the park’s clean water, scenic views, and natural features to be extremely or very important. The most common activity (54% of respondents) was walking or hiking, with stopping at scenic overlooks second (50%). The average visitor group expenditure within 50 miles outside the park was \$204. The average total expenditure per person was \$88.

1C. *Obed and BSF capsules*

[Information from BSFNRRRA and Obed WSR e-newsletters]

(1) New Chief of Interpretation & Education

Dave Carney is the new Chief of Interpretation and Education for both the BFRNRR and Obed WSR. He has

worked for NPS since 1992 and served in five parks, including Great Smoky Mountains.

(2) Students working in the parks

This summer, there are 8 local students working in the BSFNRRRA as part of the federal Youth Conservation Corps. They are doing trail maintenance at Blue Heron and helping with general park improvements, as well as participating in daily professional development sessions with park managers. An additional three local students (two at BSFNRRRA and one at Obed WSR), paid with state funds, are working at campgrounds and visitor centers.

(3) Obed photo exhibit

August 18 is the deadline for submitting entries to the 2nd annual photo exhibit at the Obed WSR Visitor Center. More information is at <http://www.nps.gov/obed>, from where entry forms can be downloaded. Entries may be e-mailed to obri_information@nps.gov, or dropped off at, or mailed to, the Visitor Center in Wartburg.

2. TENNESSEE:

Threats to the natural environment

2A. *UT fracking plans continue:*

[Contributed by Sandra Goss]

The UT Purchasing Department conducted a Pre-Bid Conference last month at the Cumberland Forest in Morgan County. This conference was required by the State Building Commission Executive Committee as part of approving the University of Tennessee Institute of Agriculture’s Request for Proposals to conduct fracture drilling (fracking) on its forests in Scott and Morgan counties (NL308 ¶1A; NL309 ¶1B.)

The conference was attended by representatives of five different companies, as well as by representatives of TCWP, Statewide Organizing for Community eMpowerment (SOCM), and Southern Environmental Law Center. The conference included an explanation of the bidding process and a tour of part of the forest. The bids must be submitted in two parts: technical and financial. When they are opened in early August, a panel will review and score the technical part of the bid. Those bidders who meet the technical requirements will then be considered as to the financial part of the bid. It is expected that the bid will be awarded in late August.

An ad-hoc coalition that includes TCWP has worked to bring the troubling aspects of this project to the attention of the UT Board of Trustees. After an initial statement from Board of Trustees Vice-Chairman Don Stansberry, Jr. that the Trustees would not discuss the Fracking Study, the decision was made to consider it at the October Trustees meeting.

WHAT YOU CAN DO: It is imperative that the Trustees be made aware of various concerns in connection with the proposed fracking study. Please write or e-mail Governor Haslam (address p.2) and the Board of Trustees (address

below), asking that they, (1) welcome and consider formal input and presentations by concerned faculty, students, alumnae, and citizens before any Board decision on land-use plans for The Cumberland Forest is made; and (2) delay any decision on the UTIA proposal and adjust the proposal approval timeline so as to allow sufficient time, for balanced Board evaluation of information on the proposal and its long-term consequences.
Board of Trustees, Univ. of Tennessee, 719 Andy Holt Tower, Knoxville, TN 37996-0170; or Board of Trustees Univ. of Tennessee, c/o flancast@tennessee.edu.

2B. *TWRA considers allowing the hunting of Sandhill Cranes;*
your comments needed by Aug. 10

[Info from TN Ornithological Society]

The Sandhill Crane has always been a non-game species in Tennessee. But, at the urging of a small group of hunters, the Tennessee Wildlife Resources Agency (TWRA) is now, for the second time (NL295 ¶3A), considering changing that status to a hunted species. As the cranes migrate through Tennessee, their roosting and foraging site is in a very small geographic area at the confluence of the Hiwassee and Tennessee Rivers on a refuge owned and managed by TWRA (the Hiwassee Refuge). At the corner of the refuge is an observation gazebo, and many of us have enjoyed viewing the birds from there when they are present in large numbers in the coldest winter months. We hope you will let TWRA know what you think about the proposal to designate the cranes a hunted species (see action box, below).

Uncontrolled hunting at the turn of the last century decimated both Sandhill and Whooping Cranes in Eastern North America. The Whooping Crane eastern population was completely lost and the small western population was among the first species listed under the Endangered Species Act. The Sandhill Cranes have made a slow but steady comeback. The rebound has been slow because these birds produce at best one chick per year, they don't reach breeding age until they are five to seven years old, and unlike most birds, the young are dependent on the adults for 10 months, migrating, roosting, and foraging next to them during the entire non-breeding season. The eastern population has grown to between 50,000 and 90,000, and virtually every one of them migrates over, or winters at, the Hiwassee Refuge.

TWRA is accepting comments until August 10, and a vote by the TN Fish and Wildlife Commission will take place on August 23 and 24 in Knoxville, if TWRA recommends there be a hunt. Here are a few talking points you may wish to include in your comments.

- The Hiwassee Refuge is the best place in eastern North America to see and photograph cranes; it's the only place where a huge species in huge numbers can predictably be seen in Tennessee. Hunting would be allowed *adjacent to* the Refuge.
- This is not an anti-hunting issue; it is a pro-crane-watching issue.

- The Sandhill Cranes are 4 feet tall and have a wingspan of 5 to 6 feet. These majestic birds should be promoted as the *most watchable* wildlife species in the state, rather than as a game species.
- While hunting may not significantly deplete the population, there are thousands of people that come to the Hiwassee Refuge to watch the cranes.
- In a public opinion survey conducted by TWRA, there was little enthusiasm among hunters for crane hunting, and most Tennessee residents (79% in a July *Tennessean* poll) were opposed.
- The very small number of extremely endangered Whooping Cranes that are also present in the Hiwassee Refuge could be at risk, because their young can be misidentified as Sandhill Cranes.

WHAT YOU CAN DO: By August 10, send your comments to TWRA.Comments@tn.gov.

Send copies to Ed Carter, TWRA Director, ed.carter@tn.gov, and to Dr. Jeff McMillin, TN Fish and Wildlife Commission Chairman, jeff.mcmillin@tn.gov
Also, send a copy as a Letter to the Editor of your local paper.

2C. *New fracking rules are meaningless*

TDEC's fracking rules, which went into effect June 18, are nearly meaningless because they apply only under circumstances that are virtually never encountered. Most of the requirements are triggered only when 200,000 or more gallons of water-based fracking fluids are used to extract the gas. Because of Tennessee's geology, this threshold has not been met and may never be. Most shale in the state is between only 3,000 and 5,000 feet below ground, and companies therefore prefer a method called a dry frack, in which nitrogen gas, along with some chemical lubricants, is used to break apart the rock. State Sen. Jim Kyle (D-Memphis) likened the rules to banning texting while driving, but only when traveling at more than 120 mph.

The new rules, however, received a positive recommendation from the House Republican Energy Task Force. Rep. John Ragan (R-Oak Ridge), who chairs this Task Force, says that "TDEC has found the appropriate balance that fully protects health and the environment, yet does not hinder progress towards developing a cleaner energy supply."

The new regs were drafted in 2011-2012 by TDEC, with the assistance of TOGA (Tenn. Oil & Gas Assoc.), an industry group. A number of organizations, including TCWP, participated in numerous meetings and submitted extensive comments. Not one of our serious suggestions was incorporated (NL306 ¶2C).

2D. *Vehicle damage in Whites Creek SWA*

It appears that ATVs (All-Terrain Vehicles) are entering the Whites Creek Small Wild Area and the contiguous TCWP property from the NW, possibly from the dirt road on the General Shale property. There are vehicle

tracks and damage to vegetation. TCWP has contacted TVA to ask for assistance in solving the problem.

3. TENNESSEE:

Protecting the natural environment

3A. *Rocky Fork, Tennessee's newest state park, now official*

Rocky Fork state park, which had been announced last October by Gov. Haslam (NL306 ¶2A), became a reality when it was officially acquired July 1 with \$6 million from the state's Heritage Conservation Trust Fund. It becomes Tennessee's 55th park. (Last year, Cummins Falls was the 54th – see NL303 ¶2A).

The new state park is part of the original 10,000-acre Rocky Fork tract in upper East Tennessee that for years was at the top of the US Forest Service's land-acquisition priorities for addition to the Cherokee National Forest. The 10,000-acre tract, which contains a segment of the Appalachian Trail and many miles of trout streams, is surrounded by national forest land. It was privately owned, but leased for hunting by TWRA. When the owners started marketing the land for development, the Conservation Fund led a fund-raising effort to add \$30 million to the \$6 million Land & Water Conservation Fund appropriation, allowing the USFS to purchase almost 8,000 acres (NL298 ¶5B). The new state park contains the remaining 2,036 acres.

This fiscal year's budget earmarks \$1.3 million to develop an infrastructure plan for the park. Existing logging roads will be utilized for access where possible. There are plans to develop a multiuse trail system for hikers, mountain bikers, and horseback riders. There will also be a trail running from the campground at the center of the park to the Appalachian Trail. Fishing will be another recreational use of the park.

3B. *Large coal company effectively exits mountaintop removal (MTR) business in Tennessee*

[Information from Sierra Club,
submitted by Sandra Goss]

On June 25, Sierra Club, Statewide Organizing for Community eMpowerment (SOCM), and Tennessee Clean Water Network reached an agreement with National Coal LLC in pending litigation surrounding Clean Water Act violations at three sites owned by the mining company – Zeb Mountain Mine (also known as Mine 7, the largest surface coal mine in Tennessee), Mine 14, and the Jordan Ridge Refuse Disposal Area – as well as challenges to the Clean Water Act discharge permit for the Zeb Mine. *This settlement will effectively end National Coal's participation in surface coal mining in Tennessee.* Last November, Patriot Coal Co., one of Appalachia's largest, agreed to phase out its MTR activities in West Virginia (NL306 ¶4B).

National Coal agreed to stop mining at Zeb and Mine 14 within the next 90 days, to refrain from seeking new mining permits for surface mines, to come into compliance with its permit limits, to pay penalties for its past permit violations, and to modify its permit for the Zeb Mine to include selenium limits on those discharges that do not already have them. In exchange, the groups agreed to dismiss their Clean Water Act enforcement suits and their administrative permit challenge, and to not pursue claims against the company based on violations of the Endangered Species Act at the Zeb Mine.

National Coal will pay penalties of \$60,000 to resolve these violations, with the vast majority of that money going to the Tennessee Parks and Greenways Foundation to fund land acquisition and conservation in the region. National Coal will also agree to pay higher "stipulated" penalties if it continues to violate its permit limits in the future.

A key provision of the settlement is the implementation of limits on selenium, a toxic element. The resolution thus sets a new standard for regulating toxic metal discharges from coal mines in Tennessee.

3C. *Improving the Cumberland River*

[Information from *The Tennessean*]

The Cumberland River Compact (CRC), and the Tennessee chapter of The Nature Conservancy (TNC) are partnering on a five-year plan to promote improved water quality, resource management, and habitat restoration for the entire 18,000-square-mile Cumberland River basin. Of note: Paul Sloan, the Deputy Director of TDEC (Dept. of Environment and Conservation) during the Bredesen administration, is now CRC's executive director.

The river and its tributaries face a host of threats, from industrial and agriculture pollution to over-withdrawals from irrigation. The 688-mile-long Cumberland is a drinking water source for hundreds of thousands of residents, including in Nashville. CRC and TNC are working to expand the partnership to include the many other not-for-profit organizations and resource agencies throughout the basin.

4. CHEROKEE NATIONAL FOREST

Tennessee Wilderness Act is reintroduced

[Contributed by Jimmy Groton]

On July 15, Senators Lamar Alexander and Bob Corker formally reintroduced the Tennessee Wilderness Act of 2013, S.1294. It was assigned to the Senate Energy & Natural Resources Committee, and hearings are scheduled for July 30.

This bill, when enacted, will preserve nearly 20,000 acre of the Cherokee National Forest as Wilderness, expanding five existing wilderness areas and creating the new Upper Bald River Wilderness Area. These areas are already part of the CNF and were recommended for Wil-

derness designation by the USFS's 2004 management plan. This is the third time Senators Alexander and Corker have introduced this legislation (previously in 2010 and 2011). We are hopeful that this time the Senate (and the House) will pass the bill and that all of our efforts in support of this wilderness campaign will come to fruition.

Many people have worked very hard to seek Wilderness protection for these areas. But none have worked harder than Jeff Hunter, who was hired by the Southern Appalachian Forest Coalition in April 2008 to coordinate the Tennessee Wilderness campaign. For more than five years now, Jeff has worked tirelessly with our senators, representatives, and their staff to seek sponsorship for the bill. He has traveled far and wide throughout East Tennessee to get the support of county mayors, county commissions, city councils, and other local politicians. He has elicited the support of businesses, other non-governmental organizations, and many different CNF user groups. He has helped organize countless outings to showcase the areas that we are seeking to protect, and he has helped to create a solid volunteer base to do trail maintenance and other stewardship activities in the existing and proposed Wilderness Areas of the CNF.

Earlier this month Jeff announced that he is moving to California in August to manage a National Monument campaign for the Bodie Hills in the East Sierra Nevada. He will be working for the Sierra Nevada Alliance and the Conservation Lands Foundation. We are grateful for the opportunity that we had to work with him. For the past five years he has become a great friend and mentor to all of us. He has shown us how to think creatively and engage diverse groups of people in a common effort. Wild South, Jeff's current employer, has announced that they plan to hire a Tennessee Wilderness Coordinator and an Outreach Coordinator to continue seeking passage of the Tennessee Wilderness Act of 2013. We will miss Jeff very much and we wish him all success in his new campaign. He has been a great hero and we are proud to have been able to work with him.

WHAT YOU CAN DO: Please contact Senators Alexander & Corker (addresses on p.2) to express your support for passage of the Tennessee Wilderness Act. Send a copy, or a similar letter, to the editor of your paper. Also, encourage your Representative, especially Chuck Fleischmann, to support the bill, should it come before the House. More information on http://tnwild.org/get_involved.

5. SMOKIES and vicinity

5A. *"Bridging the Smokies"*

In early May, the Tennessee chapter of The Nature Conservancy (TNC), completed what was originally a 10,000-acre land-protection project initiated a decade ago. In 2004, TNC, working with nine other conservation groups, brokered an agreement with Alcoa, when that

company was re-licensing its four hydroelectric dams on the Little Tennessee River. At that time, TNC acquired nearly 6,000 of the 10,000 acres, and subsequently transferred those lands to the Great Smoky Mountains National Park (GSMNP), the Cherokee NF, and state Wildlife Management Areas.

Now, the remaining 4,000 acres have come into TNC ownership through a deal with Brookfield Renewable Energy Group, a Canada-based company that purchased the four hydropower dams along the Little Tennessee River from Alcoa in 2012. The mountain woodlands connect the Cherokee National Forest with the GSMNP. TNC will build hiking trails and develop interpretive signage, and ultimately plans to transfer the lands into public ownership

5B. *Park adds armaments to its battle against hemlock scourge*

[Based on information in
Knoxville News Sentinel, 5/20/13]

The GSMNP has for some time been using soap sprays and soil-injected pesticides to battle the hemlock woolly adelgid. About 600 acres along roads and campgrounds are sprayed; and more than 250,000 hemlocks covering 11,000 acres were hand-treated with systemic pesticides in time to survive the most brutal phase of the die-off that occurred in 2006-07. Two species of "predator" beetles have also been used in a limited way. At least one spread successfully and kept the trees alive.

Recently, two new species of predator beetles were added to the effort to save the trees. One species comes from the region in Japan where the Park's hemlock woolly adelgids originated. The other comes from Washington State, where it keeps a similar strain of hemlock woolly adelgid in check. The two new beetle species occupy different niches that complement those of the two species the Park already had. The Park's goal is to reduce pesticide treatments on individual hemlocks to the lowest possible level and let the predator beetles take over.

5C. *Some improvements noted in Smokies' air quality*

A monitoring station for EPA's Southern Oxidant and Aerosol Study located in the GSMNP has documented significant reductions in haze and smog that parallel lower emissions of SO₂ and NO_x from TVA's coal-fired power plants. Problems, however remain, mainly due to suspended particulates. These not only dim the view but can affect people's health.

6. CLIMATE CHANGE

6A. *Pres. Obama lays out administrative plan to curb carbon pollution*

In a powerful speech on June 25, Pres. Obama presented an ambitious and comprehensive plan to address

climate change by cutting carbon pollution. You can read the full speech at <http://www.whitehouse.gov/the-press-office/2013/06/25/remarks-president-climate-change>, or request our transcript of the most pertinent excerpts from TCWP.

Recognizing that it is unlikely for the current Congress to agree to any legislated solutions, the President enumerated steps that his Administration can take without congressional action. He discussed three ways to decrease carbon pollution.

- Putting an end to the limitless carbon emissions from our power plants
- Using more *clean* energy
- Wasting less energy

In 2007, the Supreme Court ruled that greenhouse gases are pollutants covered by the Clean Air Act, and they required EPA to determine whether such gases are a threat to our health and welfare; the answer was yes. At this time, 40% of the CO₂ that is driving climate change is due to coal-fired power plants. In his speech, the President directed EPA to complete new carbon-pollution standards for both new *and existing* power plants. EPA had already announced that it'll do so for new plants (NL303 ¶6A; NL304 ¶7A), but the exciting news is that *existing* plants will be included.

As for increasing the use of clean energy, Pres. Obama reported that, over the past four years, we've doubled the electricity that we generate from wind and solar power. (The 2009 stimulus bill created and invigorated clean-energy industries and a great number of jobs that were virtually nonexistent in the U.S. before that.) Wind turbines now generate enough electricity to power nearly 15 million homes; 25 solar panels now generate more than four times the power at less cost than just a few years ago. The President has directed the Interior Dept. to facilitate sufficient renewable-energy capacity on public lands to power more than 6 million homes by 2020, and has directed DoD to install renewable power, equivalent to 3 million tons of coal-generated power, on its bases. His budget once again calls for Congress to end the tax breaks for big oil companies, and to invest in the clean-energy companies that will fuel our future.

In the way of energy conservation, he has set new energy standards for appliances; and federal agencies have reduced their greenhouse-gas emissions by more than 15% through conservation. (And remember that, in his first term, he doubled America's fuel economy standards for passenger cars and light trucks – a huge saving in fossil-fuel-generated energy -- NL302 ¶6B; NL305 ¶4A.)

He also addressed these other subjects:

- The Keystone pipeline (“our national interest will be served only if this project does not significantly exacerbate the problem of carbon pollution”)
- Preparation for changes that have become inevitable (his budget includes support for preparing for floods and other climate-related disasters)
- International efforts (e.g., end public financing for new coal plants overseas; global free trade in clean energy technology)

He pointed out that the economy and the environment are not ‘either/or’ but ‘both/and’ issues, and quoted from the Climate Declaration signed by over 500 businesses that calls action on climate change “one of the great economic opportunities of the 21st century.” He also said: “I don’t have much patience for anyone who denies that this challenge is real. We don’t have time for a meeting of the Flat Earth Society. Sticking your head in the sand might make you feel safer, but it’s not going to protect you from the coming storm.”

WHAT YOU CAN DO: We can be sure that Big Coal, Big Oil, and other fossil fuel interests will throw everything they’ve got at the President’s plan. Our senators and congressmen **MUST** hear of our strong support for it (addresses on p.2).

6B. *Author Bill McKibben to speak in Oak Ridge on global warming*

[Contributed by Jimmy Groton]

Bill McKibben, author of several books about the environment, will speak on fossil fuels and climate change in Oak Ridge. The lecture will be at 7 p.m. Sunday, Aug. 18, in the Oak Ridge High School Performing Arts Center (i.e., the school auditorium). The talk is sponsored by the First Presbyterian Church of Oak Ridge; it will be a special Jackson B. Davidson Memorial Lecture on Science and Religion.

McKibben is a founder of the grassroots climate campaign 350.org, which has coordinated 15,000 rallies in 190 countries since 2009 and sponsored a 21-city "Do The Math" tour last fall. (Above 350 ppm of carbon dioxide in the atmosphere, global warming detriments become virtually irreversible). The "Do The Math" movie has been shown in numerous cities this past spring and several times at First Presbyterian Church, including by a new Secret City Sustainability group of college students. The movie is available online at <http://350.org/>.

Additional information on the lecture and several other events during the day is available through the church's website, <http://www.fpcor.org/>, and their Facebook page.

6C. *New climate champion in the Senate*

The day of Pres. Obama’s major climate speech (¶6A, above) was also the day of a special Massachusetts election that was easily won by Ed Markey. Markey, who has served for decades in the House is perhaps the greatest climate champion in the Congress.

6D. *Media not covering climate change*

[Information from League of Conservation Voters]

There is virtually no coverage of climate change on network news, and both print and broadcast media fail to draw any connection between climate change and extreme weather. Only 4 of 258 TV news segments mentioned climate change while reporting on the 2012 wildfires in the western U.S. Only 8 of 135 news articles mentioned

climate change while reporting extreme weather events. *MediaMatters* has found that in 2012 the number of news segments on climate change ranged from 23 (for PBS NewsHour) down to 1 (for ABC World News). CBS Evening News was second highest with only 7. LCV (www.lcv.org) has launched a petition asking news outlets to feature science in their reporting.

7. NATIONAL ISSUES: FOSSIL FUELS

7A. *EPA's coal-plant water pollution standards need our support*

[Includes info from SACE's cleanenergy.org]

Coal-fired power plants, and the coal ash they produce, are the source of nearly three-quarters of toxic water pollution in the U.S. The Southeast is home to 40% of the nation's coal-ash impoundments, and to almost 50% of all coal-ash dumps that are rated "high hazard," including TVA's Bull Run power plant near Oak Ridge. Most plants lack any limits on the toxic metals they are allowed to emit.

There are several ways in which this pollution could be avoided, such as requiring coal plants to move the ash with dry systems, rather than with water, treating smoke-stack scrubber sludge, and the use of biological and chemical treatment to remove toxic heavy metals. Some of these are already in use by a few coal plants.

Securing strong coal-plant water pollution standards now will help reinforce the need for strong overarching rules for coal ash disposal and handling. Currently, the House of Representatives is ramming through two bills that would stop the EPA from setting such much-needed federal rules, and that would prevent federal oversight of lax state programs. While it is unlikely that we can stop these bills from passing the House, we can make sure there is a firewall of opposition to them in the Senate.

WHAT YOU CAN DO: Two important actions:

1. Tell EPA to set a standard for zero discharge of toxic heavy metals to the waters that communities nationwide depend on for drinking, fishing, and recreation. Email: OW-Docket@epa.gov. The "subject" line should read: Re: Docket ID: EPA-HQ-OW-2009-0819.
2. Urge your senators (addresses on p.2) to oppose any attempts to weaken the EPA's power to regulate coal ash.

7B. *Proposed fracking rules for federal lands are woefully weak*

Rules proposed by the Bureau of Land Management (BLM) are not only weak, they do not take into account all the processes required to frack for oil and gas. One of the chief concerns about fracking is that it requires huge amounts of injected water. Such water use is likely to conflict with the needs of ecosystems, particularly in the dry regions in which many BLM and Indian lands are located. Another big concern is the disposal of contaminat-

ed water that is returned from the operation. These problems are not properly addressed by the proposed BLM rules.

A major failing is that the rules would expand "trade secrets" (so-often called Halliburton) loopholes, allowing well operators to avoid disclosing use of dangerous fracking chemicals. There is also no requirement to collect and disclose baseline data on air and water quality needed for effective regulation.

WHAT YOU CAN DO: Contact director@blm.gov to express your concerns about *Oil and Gas Hydraulic Fracturing on Federal and Indian Lands*, Document ID BLM-2013-0002-0011.

7C. *Stream Buffer Zone (SBZ) Rule needs to be replaced*

[From SELC's Summer Highlights]

The SBZ rule, promulgated during the Bush Administration, gives mountaintop-removal (MTR) operations virtually complete leeway to dump rubble into adjacent streambeds. In 2009, the new Obama Administration agreed to remedy the situation by developing a new and better rule. There followed years of delay due, in large part, to pressures from Congressmen who want to minimize controls on MTR. The Southern Environmental Law Center has therefore resumed litigation against the SBZ rule that it had initiated during the Bush years.

7D. *The Overlooked Terrestrial Impacts of Mountaintop Mining*

[Transmitted by Cindy Kendrick]

This paper*, by James Wickham and 9 other authors, reviews the impacts of mountaintop mining on the *terrestrial* environment by exploring six broad themes: (1) the loss of topographic complexity, (2) forest loss and fragmentation, (3) forest succession and soil loss, (4) forest loss and carbon sequestration, (5) biodiversity, and (6) human health and well-being. Among the many interesting observations: Mountaintop mining converts an area that was a carbon sink into one that is a carbon source; carbon sequestration of forests on *reclaimed* mined lands is less than that of forests that were not disturbed by mountaintop mining, with the loss of the soil carbon pool probably being the main limiting factor.

*BioScience 63(5):335-348, 2013,

www.bioone.org/doi/full/10.1525/bio.2013.63.5.7

8. OTHER NATIONAL NEWS

8A. *Gina McCarthy is finally confirmed for EPA. Confirmation of other top-level appointees*

It's been 136 days (over 4 months) since Pres. Obama nominated Gina McCarthy to head the Environmental Protection Agency. In committee hearings, she

was forced to jump through hoops no Cabinet nominee should ever have to -- not because she lacks qualifications, but because several senators think that EPA has no business regulating carbon pollution. Even though her confirmation was approved by the Senate Environment and Public Works Committee, the floor vote was held up by a group of Republican senators who have received a combined total of \$5.2 million in campaign contributions from the fossil-fuel industry (NL309 ¶6B). The floor vote finally took place on July 18, and she was confirmed.

As assistant administrator for the EPA Office of Air and Radiation during Obama's first four years, McCarthy helped secure historic public-health safeguards, including life-saving standards to restrict soot, mercury, and other toxics (NL301 ¶5D; NL307 ¶8D). Now, as head of EPA, McCarthy has a lot of work to do to implement the robust climate plan the President released last month (¶6A, this NL), a plan that sets limits on carbon emissions from existing, as well as new, coal-fired power plants.

Top-level nominations that were *not* blocked in the Senate were those of Sally Jewell as Secretary of the Interior (NL308 ¶6B) and of Dr. Ernest Moniz (NL308 ¶6D) as Secretary of Energy. Dr. Moniz, whose confirmation went through uneventfully at the end of May, has been described as an "all of the above" thinker on energy policy, and has talked about natural gas as a "bridge" to renewable energy. The natural-gas industry is pressing him to approve proposals for fracking on public lands and for LNG (liquefied natural gas) that could result in exporting a large proportion of our production.

8B. *A new national park, and a new national monument*

An existing national monument is elevated to national park, and a new national monument of note is designated.

(1) The nation's newest national park, Pinnacles, had been a national monument since 1908. In January, a bill by Rep. Sam Farr (D, CA-20) and Sen. Barbara Boxer (C-CA) upgraded it to national park. More than half of Pinnacles' 26,000 acres is wilderness. Located inland from Monterey, the new park features volcanic rock spires and dramatic boulder caves.

(2) The great new national monument is one of the five that was recently named by Pres Obama (NL309 ¶6C) -- Rio Grande del Norte in New Mexico. It's 240,000 acres of scenic wildlands, including the 800-foot deep Rio Grande gorge and the snow-capped volcano-dome structure of Ute Mountain. The sagebrush and grasslands are home to many mammals and birds. Legislation to protect the area was introduced in the last Congress, which failed to protect a single acre of land. Fortunately, Pres. Obama and the Antiquities Act have come to the rescue.

8C. *National parks centennial initiative supported by members of Congress*

The National Park System will be celebrating its centennial in 2016. Last month, 172 House members and 51 senators sent a bipartisan letter to President Obama, expressing interest in collaborating on a national parks centennial initiative. The signers included Sen. Alexander; you may wish to thank him.

9. OAK RIDGE RESERVATION

A "win-win" alternative to the proposed power-line near greenway

[Contributed by Ellen Smith]

Background: The 50 ft. right-of-way for the proposed above-ground power-line reported in NL309 ¶7 would require that over a mile of forested land be cleared on the East Fork Natural Area and along the North Boundary Greenway and BORCE. An additional mile of power line, though not within the EFNA, would run along the North Boundary Greenway and BORCE.

Citizens concerned about this proposed powerline are aiming for a "win-win" solution that will supply adequate power to the industrial park without harming ecological and recreational assets. But the powerline plan is moving ahead.

Last year, the DOE Oak Ridge office granted the city an easement for the first 3/4 mile of the proposed powerline, allowing up to a 69-kV line. In June -- the day after we gave the City Council a stack of petitions asking the city to find another alternative to get power into the Horizon Center -- the city's industrial development board (IDB) voted to build a 13-kV powerline on the easement. The IDB is also asking TVA for a grant to cover half the \$750,000 cost of the project.

A report from a consultant to the city electric department describes how the Horizon Center's power capacity could be significantly upgraded -- enough to accommodate the needs of most potential tenants -- with minimal environmental impact and at about the same dollar cost as the strategy the IDB is pursuing. This is the "win-win" alternative. Specifically, the report shows that the park's electric capacity could be increased to a total of almost 40 MW by a combination of, (1) adding capacity on existing overhead lines, (2) extending another line along Hwy 95 from near Wisconsin Avenue to Horizon Center, and (3) stringing new overhead lines along the roads in the Horizon Center. (New overhead lines inside the industrial park would first require cancellation of the Horizon Center's restrictive covenant that requires underground utilities, apparently for aesthetics. This covenant could be modified as early as next year.)

Several governmental organizations with roles in this matter might respond to citizen input: --DOE, which should be urged to rescind the powerline easement (see action box, below)

- The Oak Ridge IDB, which should not use its financial resources on a speculative project – particularly one that reduces the attractiveness of the city for new residents and businesses
- Oak Ridge City Council, which might be able to influence IDB members and staff.
- TVA Economic Development, which will need to make a decision on the IDB's grant request (arlawson@tva.gov)

WHAT YOU CAN DO: Urge DOE (Larry Kelly, Manager, DOE Oak Ridge Office, kellylc@oro.doe.gov) to rescind the powerline easement, because,

- there having been no normal environmental review, it may violate NEPA;
- it may violate federal floodplain rules;
- it may violate the easement terms of the BORCE.

Show that you sent copies of your letter to the ORR Natural Resource Trustees, namely: DOE (AdlerDG@oro.doe.gov), TDEC (Debie.Duren@tn.gov), USFWS (steven_alexander@fws.gov), TVA (am-Cagley@tva.gov), as well as to the Oak Ridge City Council (CityCouncil@oakridgetn.gov).

10. TCWP BUSINESS

10A. *Lots of upcoming activities*

[Compiled by Carol Grametbauer]

[NOTE: Times listed for all events are Eastern Time.]

Rocky Fork State Park hike – Saturday, July 27

This mid-summer outing, to be led by State Naturalist Randy Hedgepath, will give hikers a chance to see Rocky Fork, our newest state park and our first state park in the Blue Ridge Mountains (see ¶3A, this NL). We'll walk two to three miles (RT) on graveled vehicle trails through gorgeous Appalachian scenery and lush plant life, followed by an opportunity to cool off by wading or swimming in a crystal-clear cold mountain stream. The hike is rated moderate.

Hikers can meet for carpooling at 8:30 a.m. in the Rush/Books-a-Million parking lot in Oak Ridge (meet at the end close to S. Illinois Avenue, near the Waffle House), or at 9:15 a.m. at the Comcast building in East Knoxville: From the exit 394 ramp off I-40, go left (east) on Asheville Hwy (US-11E/25W/70) to the signal light at the top of hill; then turn right, down into Comcast lot. Park to left of entry, about two lanes over, toward the exit end of the lot.

Those not carpooling can meet Randy and the group at the I-26 Welcome Center on the Tennessee state line at 11 a.m. (Take I-81 to I-26 going toward Johnson City; pass through Johnson City and exit to the Welcome Center near the North Carolina border.)

Bring water, a lunch, and bug spray. For more information, contact TCWP board member Larry Pounds at

PoundsL471@aol.com or at 865-705-8516 (cell) or 865-816-3576 (home).

Summer Cedar Barren cleanup/kiosk dedication – Saturday, August 17

We'll kick off our summer Oak Ridge Cedar Barren cleanup of this year with a ribbon cutting for a new Cedar Barren kiosk constructed for us as an Eagle Scout project by Thomas Crout. Representatives of the Tennessee Department of Environment and Conservation and of the City of Oak Ridge will join us for the ribbon cutting, which will begin at 8:30 a.m., followed by the cleanup work.

Located next to Jefferson Middle School in Oak Ridge, this barren is a joint project of the City of Oak Ridge, the State Natural Areas Division, and TCWP. This area is one of just a few cedar barrens in East Tennessee, and is subject to invasion by Chinese lespedeza, Japanese privet, autumn olive, mimosa, Nepal grass, multiflora rose, and woody plants that threaten the system's prairie grasses. Our spring, summer, and fall cleanups help to eliminate the invasives and other shade-producing plants that prevent the prairie grasses from getting needed sun.

Volunteers and ribbon-cutting attendees should meet in the Jefferson Middle School Parking lot at 8:30; volunteers should wear sturdy shoes and bring loppers, gloves, and water. The work session will conclude at noon with a pizza lunch.

"Local Mushrooms: The Edible, the Poisonous, and the Notable" – Thursday, August 22

[Contributed by Sandra Goss]

Mycology specialist Dr. Whitey Hitchcock will discuss mushrooms of East Tennessee in a free program at 7 p.m. in the A/B Room of the Oak Ridge Civic Center. Hitchcock, who is also an Anderson County Commissioner, has been a student, hunter, and consumer of mushrooms for nearly two decades. In addition to discussing local mushroom identification, he will address coremediation or propagation/growing.

The event is one of a series of informational programs intended to introduce attendees to various aspects of our Tennessee natural resources.

Head-of-the-Sequatchie outing/workday – Saturday, September 14

[Contributed by Sandra Goss]

We will have a combination workday/Devilstep Hollow tour at the Head of the Sequatchie Valley, a part of the Cumberland Trail State Park. We'll work on landscaping projects around park buildings, as well as seed collection for the Cumberland Seeds Project. The seed will be kept in a cold storage facility, available for restoration projects on state lands or for research purposes. Landscaping work will include pruning, mulching, some planting, and installation of some landscape timbers. Some tasks will require working from a ladder, so safety will be important. Volunteers should bring work gloves and their favorite pruning tools.

During the tour, volunteers will be able to see the Head-of-Sequatchie Spring and other features related to Dr. Nick Crawford's pioneering research; the sinkhole surrounding Devilstep Hollow Cave (described by Dr. Jan Simek of the University of Tennessee as arguably the most significant subterranean ceremonial site in North America); remnants of the Adam Sherril farmstead, established by a Revolutionary War veteran who was one of the Over-Mountain Men and brother-in-law of Tennessee's first governor; and stunning topographic relief, from the floor of the Sequatchie Valley to the top of neighboring Hinch Mountain, one of the highest points in the Cumberlands.

Participants should meet at the Rush/Books-a-Million parking lot (near Waffle House) on Illinois Avenue in Oak Ridge at 9:00 a.m. Eastern time, or at the park entrance at 9:30 Central. Bring lunch, snacks, water, bug repellent, sturdy shoes, and sunscreen.

National Public Lands Day cleanup at Worthington Cemetery – Saturday, September 28

Our annual observance of National Public Lands Day will feature a morning of invasive-exotic-plant removal at the TVA Ecological Study Area at Worthington Cemetery on the east end of Oak Ridge. Our yearly efforts in this area are helping to eradicate wisteria from the cemetery, and privet and other invasive exotics from the Ecological Study Area. A pizza lunch will follow our work session, which will begin at 9 a.m. and conclude around noon. Additional details will be provided in the September newsletter and via email alert.

Annual Meeting – Saturday, October 5

Save the date! This year's annual meeting will feature a program by Lisa Huff of the Tennessee Natural Areas Program on the state's initiative to restore native grasslands and shortleaf pine to the Cumberland Plateau, followed by an afternoon field trip to the Catoosa Wildlife Management Area with a Tennessee Wildlife Resources Agency representative to view examples of this project.

The meeting will be held at the Morgan County Board of Education building in Wartburg, with registration beginning at 9:30 a.m. The morning session will include our featured speaker and our annual business meeting, followed by lunch and the field trip. Watch for additional details in the September newsletter, and make plans to be there!

Additional information about all TCWP activities may be obtained from TCWP Executive Director Sandra K. Goss at Sandra@sandrakgoss.com or at 865-583-3967.

the fact that it had been raining and the forecast was for more. We caravanned to Daddy's Creek and explored the rare cobble-bar habitat. The shrub community was quite diverse, including leatherwood, maple leaf viburnum (flowering), arrow-wood, withe-rod, fringe tree (flowering), sweet shrub (flowering), pinxterflower azalea (a few flowers left) and nine-bark. We found the very rare Cumberland rosemary, a low shrub, in flower. It occurs only in the cobble-bar habitat.

After lunch we hiked a bit of the Cumberland Trail. At this point it is a very rocky path at the base of a sandstone cliff. Mountain spleenwort and small-flowered alumroot are characteristic plants of these cliffs. Most hikers skipped the final event, a bushwhack to Devil's Breakfast Table. On the way as we climbed over rocks we encountered a copperhead. At the Table, I was astounded anew by the sandstone rock on the shale pedestal, which seems to defy physics!

National Trails Day workday with TVA at Whites Creek – Saturday, June 1

[Contributed by Jimmy Groton]

TCWP volunteers celebrated National Trails Day by doing trail maintenance at TVA's Whites Creek Small Wild Area on Watts Bar Reservoir in Rhea County. Altogether seven people participated, including four TCWP members, a TVA employee, and two other volunteers recruited by TVA. Volunteers helped clear brush away from the trail and we redid some of the recent blazes that mark the trail. One disturbing revelation of the day was that off-highway vehicles (OHVs) have been accessing our property and TVA's property and riding on portions of our trail. (see ¶2D, this NL)

TCWP has partnered with TVA since 1984 to enhance and protect natural resources at Whites Creek SWA and many other places on public lands throughout East Tennessee as part of TCWP's ongoing stewardship efforts.

North Ridge Trail workday – Saturday, June 15

Five people participated in this event, which kicked off with a tailgate breakfast. The group toured the section of the North Ridge Trail east of Illinois Avenue, and cleared brush from the woods and from the trail access area under the TVA transmission line right-of-way between Old Batley Road and North Walker Lane.

In advance of the workday, three posts were set to mark the path of the trail across the transmission line right-of-way. One post is on the Old Batley side of the clearing, one on the Walker Lane side, and the third in the middle of the clearing. The path across the right-of-way has become difficult to locate over the years.

"Memories of the Obed" program featuring Liane Russell – Saturday, July 13

[Contributed by Jimmy Groton]

On Saturday, July 13, Obed Wild and Scenic River staff continued their "Memories of the Obed" program with an

10B. Recent events

Devil's Breakfast Table Outing – Saturday, May 18

[Contributed by Larry Pounds]

Thirteen TCWP and Tennessee Native Plant Society members showed up at the meet-up site for this outing, despite

interview and discussion with TCWP co-founder Lee Russell. Chief Ranger Matt Hudson interviewed Lee, who discussed various aspects of her life from her time as a child in Austria up to her current role as chief defender and protector of the Obed. Lee recounted her family's escape from Nazi-occupied Austria, her life in England, and her journey to the U.S. She told numerous stories about the role she and her husband Bill Russell played in seeking and securing protection for the Obed and Big South Fork Rivers, and in passing the State Scenic Rivers Act and the Natural Areas Act.

The program was one in a series sponsored by the National Park Service about the history of the Obed. Each month a different speaker discusses his or her memories of life in the vicinity of the river.

10C. *Executive Director's Column*

Our unusually rainy summer has been surprising and unexpected. I attribute the odd weather to climate change, and remind myself to be ready for more radical weather events. How best to prepare is worth some consideration.

East Tennessee (and other parts of the state) experienced severe hail storms a couple of years ago that cost insurance companies millions of dollars in claims for car and roof damage and other damages. Some years before that, there were remarkable snow and ice storms that left many people without electricity for days.

I try to keep my electronic gadgets fully charged, flashlights handy, emergency food and water on hand, as advised. One wonders if tarps (for roof damage) and chain saws ought to be on the shopping list.

The past several weeks have been busy with many meetings and phone conferences about UT's Fracking Study. This is a topic of concern to many Tennesseans, evidenced by many newspaper articles in both *The News Sentinel* and *The Tennessean*. TCWP was mentioned in several of the articles, and your humble scribe was quoted in many of them.

It's somewhat anxiety-provoking to talk to print reporters, worrying about stating only verifiable facts, sounding articulate, and making clear statements that the reporter can use. Judge for yourself if I was successful.

Articles are at http://www.tennessean.com/article/20130618/NEWS11/306180037/UT-trustees-will-consider-fracking-proposal?nclck_check=1

and <http://www.knoxnews.com/videos/detail/ut-invites-prospective-biddersinterested-in-fracki/>

Life is not all work and worry. TCWP is sponsoring an outing to our newest state park on Saturday, July 27. State Naturalist Randy Hedgepath will be our hike guide; it should be a wonderful outing. We're sponsoring an outing to Devils Step Hollow in September. This part of the Cumberland Trail is normally open once a month. We are part of a special opening on September 14 to allow outing participants to help with outdoor maintenance.

There will be time to take in the scenery and view cave openings while we're there.

TCWP is sponsoring a grand birthday celebration in honor of TCWP founder and newsletter editor Liane Russell on Tuesday, August 27 at the Pollard Atrium in Oak Ridge. Mark your calendar to come by for cake and punch and a toast to Lee, whose expertise, experience, and dedication have benefited Tennessee's natural resources for many decades. It's an honor and tremendous learning experience to associate with her. Thanks, Lee, for all you do!

And thanks to you, reader, for all you do to voice conservation and environmental concerns to our elected and appointed officials. Without citizen outcry, one shudders to think what our Tennessee treasure would be like — paved, denuded, flattened. WE CAN'T STOP NOW!! Please, take a moment, see our action alerts, make some calls, send some mail. Make your voice heard!

Hope to see you at one or more of our outings and programs!

Sandra

10D. *Thanks, and a tip of the hat to ...*



[From Sandra Goss]

- Jean Bangham, John Bates, Frank Hensley, Charlie Klambunde, and Dick Raridon for their help with TCWP Newsletter preparation.
- Jimmy Groton for installing trail posts on the North Ridge Trail.
- Susan Donnelly for stewarding the North Ridge Trail.
- Jimmy Groton for leading the Whites Creek Trail Work Day.
- Francis Perey for his continuing work as our Webmeister.
- Jean Bangham, Marion Burger, Virginia Dale, Carole Franklin, Frank Hensley, Ellen Smith, Michele Thornton for acting as TCWP Ambassadors at the Secret City Festival.
- Marion Burger for handling the TCWP Kroger Certificate Program.
- Ellen Smith and Robert Kennedy for speaking at, and Michele Thornton, Lee Russell, and others for attending the June 10 Oak Ridge City Council meeting to ask Council to pursue alternatives to the proposed above-ground 69 kV powerline along the Black Oak Ridge Conservation Easement.
- Jenny Freeman and Jimmy Groton for strategizing about potential Community Shares workplace campaign sites.

11. CALENDAR

*(For details, check the referenced NL item;
or contact Sandra Goss, 865-583-3967,
or Sandra@sandrakgoss.com)*

- July 27, Rocky Fork State Park hike (§10A, this NL).
- August 10, Deadline for Sandhill Crane comments (§2B, this NL).
- August 17, Summer Cedar Barren cleanup/kiosk dedication (§10A, this NL).
- August 18, Bill McKibben talk (§6B, this NL).
- August 22, “Local Mushrooms: The Edible, the Poisonous, and the Notable” - Information program by Dr. Whitey Hitchcock (§10A, this NL).
- September 7, Adopt a Crag Day at the Obed, will include treating hemlocks (Contact Beth Foister East Tennessee Climbers Coalition).
- September 14, Head of the Sequatchie outing/workday (§10A, this NL).
- September 28, National Public Lands Day cleanup at Worthington Cemetery (§10A, this NL).
- October 5, TCWP Annual Meeting (§10A, this NL).

*“If we lose wilderness, we lose forever the
knowledge of what the world was and
what it might, with understanding and
loving husbandry, yet become” --
Harvey Broome*

DID YOU KNOW?

The Land and Water Conservation Fund is a federal program that was established in 1965 to help preserve, develop, and ensure access to outdoor recreation resources for the benefit of all Americans. This fund supports our parks, recreation, and open spaces and protects our national, natural treasures including our forests and wildlife areas. The primary source of income to the fund is fees paid by oil and gas companies drilling offshore.

HELP WANTED

Seat available on TCWP Program Committee, with responsibility for developing and implementing activities and programs for TCWP members and outdoor enthusiasts. Group meets every six weeks.

Seeking volunteer to facilitate website updates, with webmeister Francis Perey. Responsible for requesting removal of out-of-date posts, and placement of new ones.

FOR MORE INFORMATION CALL OR WRITE
865.583-3967
SANDRA@SANDRAKGOSS.COM.

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Membership Renewal for 2013.
To show that you *care*, please do this soon.
Help us to keep enough *natural* space.

TCWP's 2013 Board of Directors

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Michele Thornton Director
Warren Webb.....Director
Sandra Goss Executive Director

OUTINGS and LECTURES

Rocky Fork State Park hike – Saturday, July 27

Summer Cedar Barren cleanup/kiosk dedication – Saturday, August 17

“Local Mushrooms: The Edible, the Poisonous, and the Notable” -
Thursday, August 22 — Dr. Whitey Hitchcock

Head-of-the-Sequatchie outing/workday – Saturday, September 14

National Public Lands Day cleanup at Worthington Cemetery –
Saturday, September 28

Annual Meeting – Saturday, October 5

— For details on these, see page 10. —