

#### THE GAD-A-BOUT 1990 - 2019

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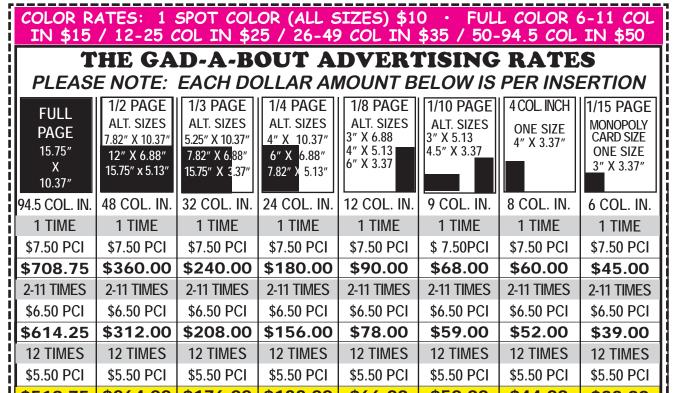
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MAY 2019 • Volume XXIX • N0. 350

**Created in 1990 & Published Monthly** by Kentucky Colonel Ray Dickerson

Or by the name given to me by Golden Eagle in 1995 LOKA'DWE ICHUTAKU YUSHEDON' Translated "Man who gets things done!"

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IN THIS ISSUE

#### SPECIAL FEATURES

Smokin' on the Water BBQ Festival By The Brookville Lake, May 3,4,5, 2019 in Treaty Line Pioneer Village by Ray Dickerson . . Page 17

#### **REGULAR FEATURED WRITERS**

#### **ABOUT THE COVER PHOTOS**

Top Left: Turkey hunting is supposed to be heartpounding. Gobblers are supposed to march into your decoys calling and put on one heckuva show; Thumping your jake or gobbler decoy, gobbling and strutting for the hens, and overall just giving you one amazing experience. But that doesn't always happen. See Pages 20-21. (Photo by Nick Martino)

**Top Right:** This B-52 Stratofortress was the first test flight using a blend of synthetic fuel and JP-8 jet fuel in all eight engines at Edwards Air Force Base on December 15, 2006. The fuel used in all these tests with the B-52 was produced in Tulsa, Oklahoma through the Fischer-Tropsch process that was developed in the 1920s. See Pages 13-16 (USAF Photo)

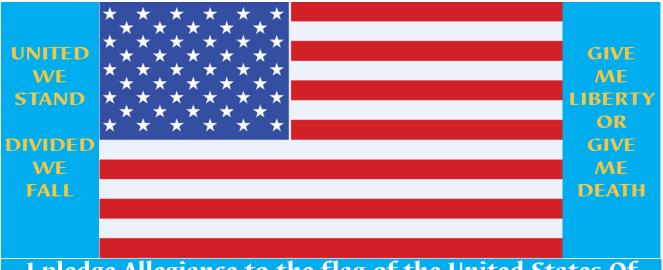
**Bottom Left:** Fayette County was the first county



in WWI that had highest number of servicemen per capita of any county in the nation. That led the community, with the help of Congressman Richard Elliott, to launch an effort to have a ship named in honor of Fayette County. Mrs. Woodrow Wilson, who had been assigned the naming of ships, sent the good news on July 26, 1918, that she had chosen the name "Connersville". See

Pages 8 & 9. (Photo by Donna Schroeder) Bottom Right: Staying Afloat -Water poses a differ-ent source of threat in the fact that it is unpredictable and can change daily or even within minutes. This boating family having fun near the Dunlapsville Ramp on Brookville Lake evidently not knowing they were in an idle zone June 5, 2014. This behavior could have led to tragedy. (**Photo by Ray Dickerson**)

E-mail: <u>boats@parksidemarineandmore.com</u> Website: <u>parksidemarineandmore.com</u> "We are located across the road from Mounds S.R.A. Entrance at Brookville Lake' **THE GAD-A-BOUT 1990 - 2019** 



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# On The Cutting Edge



## by Ray Dickerson The Gad-a-bout

#### THERE MAY BE NO TURNING BACK NOW, THE FAT IS IN THE FRYING PAN IN A COMMON WAY OF SPEAKING!

Social Media and the internet gives everyone a voice to have their say, which in a way could be very positive if what they had to say was relevent. Far too many times though what they have to say would better be said in a private conversation between two or more people in privacy.

We were much better off in the days of our fore fathers when we kept to ourselves living a life of hard work and family values.

But, we live in a time now that can become very uncomfortable for many of us who believe we have earned the right to live in America in peace and tranquility.

I got an e-mail from a friend who shall remain anonymous.

A sender to him sent some stirring words I cannot believe, but know he may be right.

The sender words, "America will not come back." What does that mean?

From where?

If you can't answer that then you haven't been reading the signs that are most evident in recent years.

We are at war, not with the machinery aspect of twar, but the war of minds and left leaning tactics. So many Americans have become complacent sitting on their duffs when they should have been participating at the ballot box.

Our Second Amendment is far more important now then ever before.

In Colorado a law has passed called the "red flag" bill by Democratic Governor Jared Polis with more than half of the state counties against it and many sheriffs saying they will not enforce it.

In essence it allows a family member, a roommate or law enforcement to petition a judge to temporarily seize a persons firearms if they are deemed a risk to themselves or others. Fourteen other states have passed similar legislation.

Colorado House Majority Leader Alec Garnett said, "Today, we did something that was difficult and that is going to save lives."

The law takes effect in 2020.

I've always felt that America is far more safer with millions of people owning firearms who actively use them hunting, competition, other shooting activities, protecting our family and our country. It's my belief that one thing that keeps our enemies at bay is the fact that most of us have guns in our homes and we know how to use them.

Remember guns don't kill people, people kill people!

#### EPA: 32.02 MILLION CELLULOSIC RINs GENERATED IN FEBRUARY 2019 (ALSO SEE PAGES 13-16 ETHANOL DATA)

The U.S. EPA has released renewable identification number (RIN) generation data for February, reporting that nearly 1.49 billion RINs were generated during the month, including more than 32.02 million cellulosic RINs.

Nearly 31.8 million D3 cellulosic biofuel RINs were generated during the month, bringing the total for the first two months of the year to 32.53 million. That volume includes 23.4 million RINs generated for renewable compressed natural gas by domestic producers, 4.52 million RINs generated for renewable liquefied natural gas by domestic producers, 2.01 million RINs generated for renewable liquefied natural gas by importers, 1.56 million RINs generated for cellulosic ethanol by domestic producers, and 1.05 million RINs generated for renewable compressed natural gas by importers.

According to the EPA, 225,497 D7 cellulosic diesel RINs were generated in February, bringing the

total for the first two months of the year to 374,490. So far all the D7 RINs generated this year have been generated for cellulosic heating oil by importers. More than 9.94 million D5 advanced biofuel RINs **CONTINUED ON PAGE 23** 



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# So You Wanna Catch More Fish



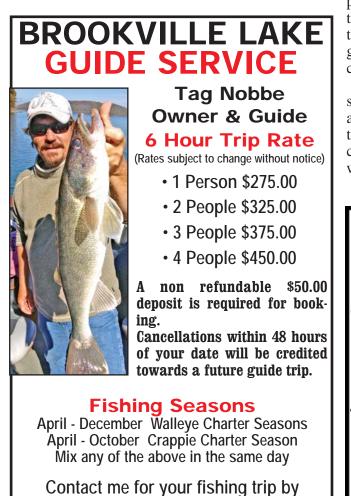
by Tag Nobbe Professional Fishing Guide

# Fishing Brookville Lake In May

If I had to pick one month to fish Brookville lake out of the entire year it would be the month May.

The water temperature in the lake is still cool and well oxygenated. There is no young of the year fish at all for anybody to feed on. What most of the fish target, is what's crawling around on the bottom. May is also the month that almost all the fish in the lake go through their spawning cycles. So, everybody is concentrated in shallow water and hungry. If you're a blue gill fisherman, look for them to

If you're a blue gill fisherman, look for them to



Contact me for your fishing trip by Calling my Cell: 765-265-3238 E-mail: tagnobbe@gmail.com or Website: www.brookvillelakeguideservice.com be spawning in water about 3 feet deep. Blue gill will build little round circles on the bottom of the lake. These circles or indents in the bottom will be side by side and usually about 15 to 20 in the clusters. After their built the female blue gill will deposit her eggs in the center of the circle and the male and female blue gill will take turns fanning the silt off the eggs. This is just one of their tasked, the other is to keep every other fish in the lake from eating them. To catch a mess of blue gill at this time of year is very easy. All you have to do is locate these little nest colonies. I prefer to you wax worms or red worms when fishing for blue gill. If the water clears up in the lake and you have a good pair of polarized sunglasses you can literally see the nests from the front of your boat. In the bass fishing world, this is called site fishing. Speaking of bass did you know that a small mouth or a large mouth bass is not really a bass at all. They all belong to the sun fish family. A true bass is a white bass or a striped bass also so known as a temperate bass. Anyway, all you really need to catch these blue gill is a bobber a small split shot a hook and a box of wax worms or red worms. Pitch it in around these nest colonies and you can load the boat. Just remember you have to leave some for seed.

In the month of the May there are two species of fish in the lake that are not spawning, one is the walleye and the other is the catfish. The catfish is also a nest building fish, but their spawning cycle is in July when the water temperature reaches the mid -70s. The walleye have already spawned and left their eggs behind to fend for themselves. They spawned at the end of March when the water temperature was in the mid-forties. What this means, is that the only thing that the walleye and catfish have to do to occupy their time is eat, and what they're going to eat on is eggs. Blue gill eggs, shad eggs, crappie eggs, and the list goes on.

If you can figure out where a lot of these fish are spawning, then you can figure out where the walleye and catfish will be. This is just one food source at this time of year though. There are also bugs worms crawl dad's insect larvae and this list goes on as well. This is why I think a jig and night crawler is such a good bait to catch fish, it looks the part. When you rig it right, and fish it right, it looks exactly like a crawl dad. I have had people ask me why don't you just use a crawl dad. The problem is it don't look the part when you put it on a hook. They will just ball up. They smell the part, but I guess looking the part is best.

Crappie is also one of those fish that are easily caught in May. Your prime-time water temperature is around 65 degrees. You will also want to use a jig when fishing for this fish. Switch the night crawler for a minnow or wax worm. Ad a tube or a curly tail to the set up and you have one of the best baits going. You can also use a hook, bobber, and a split shot, but if you like the feel of the tick of the fish bite the jig is where it's at. You can literally find these fish from the dam to the north end of the lake and all points in between. Let the water temperature lead you to them.

Good luck Tag

If you need more info go to my web site <u>www.brookvillelakeguideservice.com</u> or stop in at 52 Pik-up Convenience store just south of Brookville on State Road us 52. We have a full line of live bait, tackle and Fried chicken to go. So, when you ask for chicken liver, be specific. Lol

To schedule trips contacted me at <u>tagnobbe@gmail.com</u> call or text my cell 765-265-3238.

I guide fish for walleye, and crappie starting in mid-April till the end of December 7 days a week on Brookville lake. We fish out of a 2017 pro V 2075 with a 250 Honda outboard engine. I supply everything all the way down to cleaning the fish. I can take 1 - 5 people. The price is according to how many go \$500.00 for 5 people \$450.00 for 4 people \$375.00 for 3 people \$325.00 for 2 people and \$275.00 for 1 person. We start at 7:00 am and fish till 1:00 pm to schedule trips call my cell **765-265-3238** or tagnobbe@gmail.com

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## News from the Indiana State Police



by Sergeant John D. Bowling Public Information/Recruiting Officer

## Internet Scams and Information You Need to Know

According to FBI statistics, Indiana ranks around 22nd in the U.S. for internet scam victims. Business Email Compromise, or BEC, Relationship Fraud, Phishing and Spear Phishing continue to be some of the more popular scams found here in Indiana.

We continue to have folks contact us that have been scammed, or feel they've been scammed, either by a bogus email, pop up add scheme or other internet method. We had a lady come into the post that said her bank account had been cleaned out by a guy she met on an online dating site. They talked online, then met, dated and lived together for a short time. He eventually talked her into selling her house and moving into a hotel with him. She gave him full access to her debit card and passwords, which he used to clean out her accounts.

There was no crime, because she essentially gave him permission (and passwords) to access her accounts after dating him for just a few months. After she was near broke he moved on to a different single female in another town, and she moved in with her mother and father. Sure, it was relationship fraud and it would be nice if she could send out a press release saying "ladies look out for this guy, he's a con artist;" but we all know that's not possible or legal. Relationship fraud like this remains one of the most lucrative scams here in Indiana.

We also had a company who was having some construction work done nearly lose a very large sum of money because their email had been hacked, unbeknownst to them. They got an emailed bill that looked like it was from the company doing the work, so, unlike previous payments they had made, they wired a large sum of money to a bank like the email asked them to do.

Thankfully large sums of money have to be held a certain amount of time before being released by the bank, and the business that had sent the money became suspicious and contacted us. We caught the money at an east coast bank just hours before it was going to be transferred to a bank in another country. This is just one example of business email compromise, (BEC.) More money is lost in Indiana each year to this scam than any other.

There are some terms and helpful hints you need to know to protect yourself. I recently did a talk for cable installers, and we discussed how maybe they should come up with an internet information sheet to give folks when they install internet. Something general folks can read to help them understand the responsibilities that come with "surfing the net," with some definitions of the terms we hear all the time in the media along with some of the internet dangers that are lurking out there.

Phishing is a common term that refers to mass emails sent out by con men, usually off shore, that purport to be from reputable companies, banks or credit card companies etc. trying to get you to give up personal information, passwords or credit card numbers. Often (but not always) they have misspelled words, punctuation or grammar mistakes, as the folks sending them don't seem to have a proper "grasp" of the English language.

These emails often start out with general salutations like "Dear Customer" or "Dear Valued Customer." Remember the bank, credit companies, social security or IRS will never contact you vial email or phone for your information. Often these emails will have an embedded link they want you to click on that will take you to a web site to infect your computer. I recently heard of an elderly female that got an email she thought was from the Social Security Office asking her for....you guessed it, her Social Security number! She clicked on a link and ended up calling them.

She gave them her social security number as well as other identifiers, as they said her account had been breached and they needed her correct information to

issue her a "new number." When she went down to the local Social Security Office to check on it she was told the email was bogus and there was nothing they could do now that the "bad guys" had her actual Social Security number. As the real Social Security people told her, they don't "issue" new Social Security numbers, even when your number has been breached by folks stealing identities.

Spear Phishing is an email that is directed to a specific person or business, or may even appear to be from a government agency. They have your name, family member names and even business names that you deal with often via email. An email arrives looking as though it's from a trusted source, but often leads the recipient to a fake website that infects your computer, or leads to you sending confidential information. Chances are they've hacked your email and have watched it to gain information about you they can use against you.

These emails can target normal folks, all the way up to CEO's of the biggest companies and even government agencies. Often these emails will have threatening messages, I.E. your bank account has been breached, your account is about to be closed, etc. and they want you to click a link and respond immediately. I've even received "phishing" emails saying they are from Fed Ex and that they have tried to deliver a package to me but I wasn't home.

They nearly always have a link in the email to click on to "remedy" the situation. Be leery of any email asking you to click a link or that has an attachment to open, or that has threatening language and requires an "immediate" response. Don't click on any link in the email.-go to the company's actual web site and review that vendor's contact policies and procedures for requesting information. Again, your bank, credit card, government agencies etc. will NEVER contact you via email or phone and ask for personal information.

Make sure you have some sort of virus protection and internet security software installed on your computer. Also on most systems, all you need to do is hover your mouse cursor over a hyperlink and it will often show you the real link address. You can also look at the URL, or email address, as the information between the double slash and single slash in a web address is often the REAL web address that the email came from, or where a link will take you to.

Be careful when using Google, as the first address that pops up when you google a business is usually



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not the actual address/vendor you want. Always look at the address before clicking on it. Same way on Facebook, as those ads on the sides can be faked, so never click on them; go to the actual vendor's web site.

There's so much information out there that I wish I knew and could give you; but it could literally fill up volumes of books. This is just some basic information to make you a little better informed and hopefully less likely to be a victim. If you feel you've been scammed, go to the FBI's web site ic3.gov at https://www.ic3.gov/default.aspx and click on internet crime complaint to report it.





# Indiana Department of Natural Resource News



# by PIO Travis Stewart **Staying Afloat**

Indiana is like all other states in that we have bodies of water utilized for recreational activities. These activities around the water range from fishing, to boating, to water skiing, or even hunting. Depending on the activity being conducted it can create a low degree of danger from water related incidents, to a higher degree. Many factors would come into play that would affect how serious the degree of danger is affiliated. Nonetheless, water is dangerous no matter what activity is being conducted.

Water poses a different source of threat in the fact that it is unpredictable and can change daily or even within minutes. Mother Nature and other factors play a role in changing how it acts. With a storm rolling in, there's always the factor of lightning and lowered visibility. When multiple boaters utilizing a body of water, it creates a greater chance of "moving" water that can rock a boat, capsize a boat or even swamp a boat. If a river becomes flooded, the "unknown" is greatly increased and not knowing where a jam is located or the underlying stump or rocks in the water it increases.

With these things in mind, I want all those who will be around the water in one way or another to keep this in mind; water is dangerous. When someone becomes complacent around the water, they put themselves at higher risk of injury or in worst cases death.

So how can you prepare yourself and keep Afloat? The first way and easiest way is to do just that, prepare. There are different websites that can be found to look up the body of water where you intended to recreate. These sites can give you directions to, and different boat launches. Other sites will tell you what the water level is and what the water flow is along the river. The first place to check out is www.dnr.IN.gov. Our state website has a multitude of information on different bodies of water; from lakes or reservoirs to rivers.

Keep a PFD (personal floatation device) in close proximity. This can either be worn or kept close by and becomes a must in emergencies. Also, if you are utilizing a boat / vessel (canoe, kayak, jon boat, ski boat, etc) then a wearable PFD per person is required on board the boat. If you are utilizing a personal watercraft (PWC) then the PFD is required to be worn. If you are going to be on waters of concurrent

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This boating family having fun near the Dunlapsville Ramp on Brookville Lake evidently not knowing they were in an idle zone June 5, 2014. This behavior could have led to tragedy. That area is littered with tree debris and silted in areas. (Photo by Ray Dickerson)

jurisdiction (example being the Ohio River), then the PFD is required to be worn by anyone under the age of 13; except if the child is below deck in an enclosed cabin or the boat is docked or at anchor. Any boat over 16 feet in length (except a canoe or kayak) is also required to have a type IV PFD ("throw cushion or ring buoy) on board.

All PFD's on board have to be in good condition and serviceable. They must also be readily accessible.

Keep an open mind. Again, what I mean is that water is unpredictable. You need to keep in mind that it can change at any moment and always think ahead at what you would do in an emergency situation. Keep your eyes open for the potential of dangers.

Create a plan of the trips events. This information should be left with a responsible individual. It should include, at minimal, where you plan to go and when you plan to be back. It can also include the vehicle to be utilized, drop off and take out points. Access points, and an alternate route to be utilized if needed. It could also include contact information for local authorities, outside of 9-1-1.

This information has come into play during my career. A few years ago, two fisherman went fishing on Brookville Reservoir. Prior to leaving they left their information with the wives; including where they were going, what vehicle they would be in, trailer and boat description, and what ramp they use. Later into the trip, the wives realized that a storm was heading towards Brookville that would include thunderstorms. They made contact with authorities because they couldn't make contact with the husbands and gave the above information. We then used that information as a reference point of where to start and went to the boat ramp they were supposed to be at. They were not located at that location, but having the vehicle and boat information, we were able to start checking the other ramps around the area. While checking the other areas, the wives called back and let us know that they had made contact with the husbands who had made it off the water, but were out of cell phone service at the time.

This was a perfect example of how the information can be used and the outcome that is desired. Not every situation will be the same, but having that base information of where you will be and when you plan to be home, gives a starting point for authorities when needed.

As always, Stay Safe Indiana!



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Inside newly remodeled, 2010 New Front enclosure, 2013 New Air conditioner, Hot water heater, shower, much			

#### THE GAD-A-BOUT 1990 - 2019



**by Donna Schroeder** Fayette County Historical Museum

# The Good Ship Connersville

May brings thoughts of Memorial Day or Decoration Day, as my parents called it. We would all pile in the car and take bouquets of peonies and iris to the graves of people I, for the most part, had never known. Great grandparents, grandparents, and one great uncle, known to me only as Mac. Mac was my mother's beloved uncle, McKinley Littrell, a half brother to her father.

Mac died while in training for the Navy in WWI. Like thousands of others, he died in the influenza epidemic, never having seen a day of battle. My grandfather's stepfather lost two sons to that war - one from each of his marriages. Both of them were from Jefferson County, Indiana.

Years later, I would learn of those lost from my home in Fayette County. The first was Reginald Fisher, a young man from here who was killed when a German submarine fired a torpedo into the Jacob Jones off the coast of England on December 6, 1917. One of his friends from another vessel would tell later of visiting Fisher the day before the attack. He told the family that Reginald was writing a letter to them and seemed to have a premonition that he would never see home again. The local American Legion Post 1



Items from Sgt. Charles Kavanaugh who was lost during a WWII mission. (Author Photo)





Red Cross display at the museum. (Author Photo)

(first in the state of Indiana) is named for him.

Another Fayette County son named Glenn Sample, a popular local barber, was the first of ours to die in France. He was the victim of a mustard gas attack on April 13, 1918. He died five days later. One of his friends from Fayette County survived and told the Sample family that he was with Glenn in the hospital when he died. The friend told of the kindness of the Red Cross nurses in attendance. Surely a comfort for them, knowing he wasn't alone. Our local VFW is named for him.

The sisters of these two young men would soon be recognized for a happier reason. Fayette County was the first county in the U. S. to reach, and surpass, its goal in the "Thrift Stamp" drive. We also had highest number of servicemen per

The USS Connerville a WW1 Ship named by Mrs. Woodrow Wilson, model built by the late Jerry Horn. (Author Photo)

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Civil War items, including memorabilia from the Grand Army of the Republic. (Author Photo)

capita of any county in the nation. That led the community, with the help of Congressman Richard Elliott, to launch an effort to have a ship named in honor of Fayette County. Letters were sent to Washington, and Mrs. Woodrow Wilson, who had been assigned the naming of ships, sent the good news on July 26, 1918, that she had chosen the name "Connersville". She asked that a local girl be named as sponsor, and that the girl would be honored by launching the vessel.

The citizens went into immediate action. There was a parade with a marching band, and a plan was devised to choose the lucky lady. Coupons were sold at the banks, drug stores and cigar stores at a penny per vote for a period of several days, with the money raised going to the Red Cross. Ladies were invited to submit their names, and twelve entered the contest.

When the votes were tallied, over 200,000 had been cast, netting over \$2100.00 for the cause. Ethelyn Sample had 82,000 votes, and Mary Fisher had 62,000, with the rest divided among the other contestants.

The count was finished late in the evening, and Miss Sample was notified at midnight that she should be ready to leave early the next day! She and her mother had decided that the dress she had





worn to the senior prom would be appropriate, but she needed shoes to complete the outfit. A call was made to a local merchant, and Hugo Williams of the Kahn-Williams Shoe Company rushed to the store to meet her needs.

The Lexington Motor Company donated the use of four of their automobiles for the trip to Ashtabula, Ohio, for the dignitaries who would be attending. They set off early in the morning, with banners on the cars advertising the occasion. Mrs. Florence Sample, the widow of Earl Sample, wasn't sure she could make the trip over the rough roads, so, to surprise her daughter, she secretly went by train and met them. However, she returned with the party by automobile. The trip was enjoyable, the party arriving a short distance from the shipyard the evening before. They were welcomed by the governor of Ohio, as well as being warmly greeted in towns along the way.

The Connersville, a freighter, weighed 3500 tons and was 300 feet long and about 50 feet wide. Ethelyn reported that it slid effortlessly into the water as she broke the bottle of champagne on its bow and said, "I christen the 'Connersville'. Good luck and God speed". As she was performing the christening, the factory whistles blew and church bells rang at home in Connersville from 11:00 until 11:05 on September 13, 1918.

The remnants of the champagne bottle used in the christening were displayed for a time after at the Holberg clothing store.

After the war, the Connersville was decommis-

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Medals of Charlie Hughes. This will be our first Memorial Day without him. (Author Photo)

sioned and sold for commercial use. It reportedly sank some time later. Nevertheless, the effort put forth for the Connersville was a shining example of how our community can and should pull together for a common goal.

Miss Sample went on to college and became a teacher. She married Charles Theders and raised a family. The Theders family moved to Chicago for a time, but came home to Connersville.

Connersville and Fayette County continued to manufacture automobiles, as well as providing items for use by the military for years to come.

The Fayette County Historical museum is the place to see a Lexington automobile and learn more about our military history, from the Civil War to the present.

Fayette County will celebrate its bicentennial in May. On Thursday, May 16th, the county's cemetery commission and local DAR chapter will offer tours of several historical cemeteries with emphasis on the Revolutionary War soldiers who settled here in the early days. Tours start at the museum, 200 West 5th Street, at 9 a.m. and 1 p.m. and are free of charge. If you prefer a self guided tour, there will be docents stationed at eleven cemeteries throughout the county on Sunday, May 19th, from 1 p.m. until 5 p.m. Each of the locations are the resting places of Revolutionary soldiers and pioneers who played an important role in the history of Fayette County. The museum will be open both days from 10 a.m. until 4 p.m. Come see us!

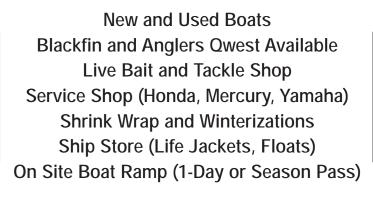
(See Fayette Co. 200th Anniversary Schedule on Page 10)





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by Capt. Mike Schoonveld

# Passing Muster In Coast Guard Waters

It doesn't happen very often, but neither does being struck by lightning. The odds of either may be similar, but being hit by a lightning bolt is always an unpleasant occurrence. Being stopped by the U.S. Coast Guard and boarded for a routine inspection and safety check is much less haz-





The USCG conducts random safety stops where ever they patrol. (Author Photo)

ardous, but can still be an unpleasant experience.

I've been stopped one time on my own boat and I've fished the Great Lakes in my own boat for nearly 40 years. I was on someone else's boat stopped for a compliance check one other time; interestingly, the second time was in Hawaii.

Neither of the stop and boardings were unpleasant since both my boat and the boat I was on in Hawaii were in total compliance with all safety regulations. If anything, they were an interesting experience, just because being stopped and checked was so unique.

If you are on a boat in any waters under which the U.S. Coast Guard has jurisdiction, it could happen to you. Here in the Midwest, that means all the Great Lakes, Lake St. Clair, Saint Marys River, St. Clair River, Detroit River and some distance upstream in tributaries feeding these areas. The USCG has operations on the Ohio River, Mississippi, Missouri and other inland waterways, as well.

It isn't restricted to commercial, charter vessels or motorized boats, either. The Coast Guard may stop or board any vessel, including kayaks, canoes, and personal watercraft, at any time to ensure the safety of those aboard and others nearby.

One of the biggest misconceptions boaters have about Coast Guard boarding teams is "probable cause" is needed to conduct an inspection. Not so - lawmakers have given the USCG power to stop and check for compliance with a list of mandatory documents and safety gear. I'm not a lawyer but I'd guess they would need legal cause to search through personal gear such as backpacks or other containers.

Most stops are purely random. Both of the ones in which I "participated" were; however, a boater operating in what appears to be an erratic or unsafe manner is more likely to be singled out. Should you need to summon the USCG for assistance, once the situation is stabilized, expect one of the crew from the response boat to come on board and check your documents and safety gear.

In most other states, boating laws are written or based on existing Coast Guard regulations. When the USCG comes on board, they are looking for compliance with federal laws. When the DNR or even a county or local water patrol officer stops you, they will be looking for state or local law compliance. Most of these overlap. If, for instance, you don't have enough life jackets on board, you are likely going to get a citation. The only difference is where you pay the fine, (and possibly the cost of the fine.)

In none of my contacts with the USCG was I ever asked to see my fishing license, nor did the boarding crew check our fish cooler to count our catch. Those aren't federal laws. However, should the USCG notice a violation of a state law which isn't a federal offense, such as fishing without a license, the boat could be detained until a state or local officer could be summoned.

On the other hand, especially in Michigan and other states with legalized marijuana laws, just the opposite can occur. It may be okay to light up according to state or local regulations, but the possession and consumption of the Mary Jane weed is still illegal under federal laws and the U.S. Coast Guard enforces federal laws. Charter boat operators are aware of this and most, if not all, can and will prohibit smoking grass on their boats. In fact, doing so in spite of them asking you to abstain would be a violation of both state and federal laws. The captains themselves have to be enrolled in a random drug testing program which screens for marijuana use.

**CONTINUED ON PAGE 23** 



# AT BROOKVILLE LAKE • 765-458-7527 1156 WEST DUNLAPSVILLE ROAD., LIBERTY, IN



This is a view of how the cartridge is lifted and slid under the extractor in a lever action gun. If the point of the extractor is not cut at an angle it can gouge into the brass as it appears to be doing and cause a failure to feed. (This picture is from the internet at http://marauder.homestead.com/files/Widdermajic\_Marlin.htm)



how sharp the point of the extractor is and how square and sharp the shaft of the extractor is. Both can catch the brass cartridge and cause a failure to feed. (Picture is from Midway USA online catalog)



Here the bottom side of the Marlin 93 extractor is shown and the lighter area under the tip of the extractor is where it is chamfered. However, I had to round the edge of the shaft on a Marlin 93 extractor as it was cutting into brass rim of a .44 Mag as it was sliding into the chamber causing a failure to feed. (Picture is from Midway USA online catalog)

### **Random Notes from:** Prairie Wolf Gun Repair



by Marshall Smith Gunsmith, NRA Life Member, Retired LEO

## **GUNSMITHING Extractors and Failure to Feed**

We've all had the problem of our guns failing to feed the cartridge. Several conditions can cause a failure to feed but the most aggravating is when it appears that the cartridge is jamming into the top of the chamber and not wanting to go into the chamber. We think that something must be wrong with the bullet itself or there is a burr something in the chamber that is stopping the round from feeding smoothly into the chamber. Most often we may pull back on the bolt a little and then push forward and the round often enters the chamber and we go on shooting two or three more rounds and then it does it again. So off to the gunsmith to get it fixed. This may be a brand new pistol or rifle, which is common, or an older gun, rifles, shotgun, and pistols. Not usually a revolver though. This type of malfunction, particularly on a new pistol or rifle, is often an extractor problem.

Rifles and pistols today are precision made under all types of conditions. Many gun manufacturers, like auto manufacturers, have many of their parts made by third party manufacturers. Tolerances are strictly adhered to but as with many man made parts,

occasional bad parts get used and missed by quality control. Extractors may be machined, or cast to the engineers design preferences. When the part comes in to the gun manufacturer it immediately gets installed into the next bolt. The completed pistol or rifle or shotgun then goes to final assembly and sent to testing. From there it goes to final inspection and packaging. That's a really simplified description of the manufacturing process but mainly to show that not all errors in building a gun can be found before it gets to its new owner. When guns were hand made by individual craftsmen things like a bad extractors were caught and corrected in the build process. By bad extractors I mean that the extractor doesn't perform as intended.

When the cartridge is being loaded into the chamber the rim or extractor groove in the base of the cartridge must slide under the extractor as it is being lifted into the face of the bolt which then pushes the cartridge into the chamber. The extractor is basically a hook to grab the cartridge and pull it from the chamber. Since the cartridge is entering the extractor and chamber at nearly the same time, the outer edge and point the extractor must be rounded or have a chamfered edge. The chamfered or rounded edge allows the soft brass cartridge case to slide past the bottom edge and point of the extractor and move smoothly into the chamber when loading. If the edge or point of the extractor is sharp it may gouged into the soft brass cartridge case and pinned it between the bolt face and top of the chamber making it appear that the sharp edge of the chamber top is causing the problem. You'll notice that all magazine or tube fed pistols, shotguns, and rifles have the bottom edge of the chamber rounded or has a close fitting ramp on which the cartridge rides into the chamber.

To correct the problem requires some skill and should be done by a competent gunsmith. Extractors or made from spring steel, hardened steel, or cast iron. The gunsmith will break the sharp edges using a good abrasive stone and then polish the edges with achines designed to launch a projectile accurately a finer stone. Sometimes it only takes a few strokes to achieve the desired result but it must be noted that taking to much metal off the extractor may damage and weaken it where it breaks and has to be replaced. This is a job that a novice should not attempt. The

extractor must be removed from the bolt to perform the stoning of the edges. If you experience a failure to feed problem with your firearm, inspect the brass cartridge. It should not have any gauges, dimples, or heavy marks around the rim of the case. If it does then it is probable that the extractor is stopping the cartridge from smoothly entering the chamber.

I think the following quote applies to all those in today's House of Representatives.

#### Quote of the Month

I have accepted a seat in the House of Representatives, and have thereby consented to my own ruin, to your ruin, and to the ruin of our children. I give you this warning that you may prepare your mind for your fate. (John Adams, 2nd U.S. *President*)

That's all for this month. These notes are mine alone and do not represent the opinion or position of anyone, just me. If you have a question or a comment on guns, gunsmithing, gun rights, or, would like to just make a comment email me with your comments at PrairieWolfGuns@gmail.com. I'll answer your questions with the most up to date information available. Some answers may be included in this column as I'm sure there are others with the same question. No question dealing with guns or self-defense is a bad or stupid question. Only those questions not asked.

Remember, B SAR (Be Safe, Be Aware, Be Responsible)

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The above photo of this B-52 Stratofortress was the first test flight using a blend of synthetic fuel and JP-8 jet fuel in all eight engines at Edwards Air Force Base on December 15, 2006. The fuel used in all these tests with the B-52 was produced in Tulsa, Oklahoma through the Fischer-Tropsch process that was developed in the 1920s. This flight test was part of the DODs effort to secure domestic sources for our militarys' energy needs. Further cold weather testing was scheduled for the new alternative fuel source. (USAF Photo)

# On The Cutting Edge by Ray Dickerson

### **Celulosic Ethanol Better Deal Then The Green New Deal**

#### The Need Is Not So Urgent The Cure Already Exists

(Reprinted from my October 2004 Gad-a-bout)

#### There May Be A Light At The End Of The Tunnel, But Then Again.....

I for one had been brooding about the fact that the United States had no alternate plan or source of energy if the day came and we lost our current source of oil, the Middle East. To relieve my frustrations I wrote a piece for my weekly local newspaper column. After writing it I decided to e-mail it to some politicians and other newspaper columnists to see if I could spur interest in my thinking. One of the emails I sent to Senator Richard G. Lugar. He was the

only one who replied. Following is a copy of the e-mail I sent to Senator Lugar and others:

Richard:

This is my column for this week's Western Wayne newspaper in Cambridge City, IN. I also publish "The Gad-a-bout", which I have sent to you for the last 15 years. I think most government officials know we are on a collision course with another oil crisis in this country. I think that our representatives should represent us in a manner that looks forward to the time when gas is in short supply and this country needs an alternative. We need mass transit or a new way to travel using alternative or a renewable energy resource such as solar, electric, magnetic, wind, etc.

# The United States has it's head buried in the sand

That's a pretty stiff statement, Ray. Right!

We are a wait to see what happens type of country these days.

If the early pioneers had been made from the same

stock as us we would all be living on the East Coast or back home in Europe. Of course we are made of the same stock as our forefathers, who were the pioneers in America. But somewhere along the line we got lazy, content, full of apathy and like the old saying, let George do it!

Here we are supposedly the greatest super power in the world (so the press says) and we knuckle under to foreign oil distributors like they were some kind of a god. We have enveloped ourselves into a world where we can't survive without the automobile, it is our lifeline to independence, our only source of travel to work, shopping, banking, hospital, movie, etc. We have systematically removed all the businesses we need for survival to the outskirts of town, away from downtown or the core area of our communities so we need transportation to get to them. When I wrote this I had no clue as to what Celulosic Ethanol was nor that it could be used to power our transportation needs.

Someone told me this country couldn't rely on mass transportation, another said too many jobs would be lost if the auto was replaced or reduced. How many jobs do you think it would take to build a mass transit system across the United States, in every

#### **CONTINUED ON PAGE 14**





This B-52 Stratofortress flew to Minot Air Force Base in North Dakota on January 17, 2007 to undergo synthetic-fuel cold weather testing. This cold weather test was a last step in determining if the mix of synthetic-fuel and JP-8 jet fuel could be certified to lessen the need for America's dependence on foreign oil. Thanks to Senator Richard Lugar I was able to receive information concerning all forms of Biomass from domestic and military sources concerning the advancement of the use of Ethanol in North America. (USAF Photo)



PAGE 14



Cellulosic Ethanol is made from Biomass which is a constant renewable resource i.e. wood, wood waste, corn stocks, corn cobs, straw, scrap lumber, forest debris, weeds, switch grass, manure and waste residue. Simply said, renewable energy from plants and animals. (Source U.S. Energy Information Administration and Photos courtesy of Wikipedia)

## On The Cutting Edge CONTINUED FROM PAGE 13

state, in every county, in every town to move the nation from here to there. Yes, I love to drive my car, I like to be an individual, I like to travel down the highway going places, I must because I drive from 1700 to 2500 miles a month delivering The Gad-a-bout. But . . . . .one day soon, say in ten years or so our non-renewable source of energy for our vehicles will be in short supply, it will cost much, much more and the country will be faced with the crisis, without a solution.

There are alternatives to mass transportation and could let everyone remain free to travel their own road, but the incentive doesn't seem to be in America today. Someone said, "Necessity is the mother of invention." Well we have the necessity who has the cure?

Ray Dickerson, The Gad-a-bout,



Senator Richard G. Lugar

Following is a copy of the letter I received from Senator Richard G. Lugar of Indiana dated September 3, 2004 concerning Cellulosic Ethanol "The New Petroleum."

> United States WASHINGTON, DC 20510-1401 September 3, 2004

# **Biomass** Explained

### **Basics**

#### Biomass-renewable energy from plants and animals

Biomass is organic material that comes from plants and animals, and it is a renewable source of energy.

Biomass contains stored energy from the sun. Plants absorb the sun's energy in a process called photosynthesis. When biomass is burned, the chemical energy in biomass is released as heat. Biomass can be burned directly or converted to liquid biofuels or biogas that can be burned as fuels.

Examples of biomass and their uses for energy:

- Wood and wood processing wastes—burned to heat buildings, to produce process heat in industry, and to generate electricity
- Agricultural crops and waste materials—burned as a fuel or converted to liquid biofuels
- Food, yard, and wood waste in garbage—burned to generate electricity in power plants or converted to biogas in landfills
- Animal manure and human sewage—converted to biogas, which can be burned as a fuel

#### Converting biomass to energy

Solid biomass, such as <u>wood</u> and <u>garbage</u>, can be burned directly to produce heat. Biomass can also be converted into a gas called <u>biogas</u> or into liquid <u>biofuels</u> such as ethanol and biodiesel. These fuels can then be burned for energy.

Biogas forms when paper, food scraps, and yard waste decompose in landfills, and it can be produced by processing sewage and animal manure in special vessels called digesters.

Ethanol is made from crops such as corn and sugar cane that are fermented to produce fuel ethanol for use in vehicles. Biodiesel is produced from vegetable oils and animal fats and can be used in vehicles and as heating oil.

#### How much biomass is used for fuel?

Biomass fuels provided about 5% of total primary energy use in the United States in 2017. Of that 5%, about 47% was from biofuels (mainly ethanol), 44% was from wood and wood-derived biomass, and 10% was from the biomass in municipal waste. (Sum of percentages is greater than 100% because of independent rounding) Researchers are trying to develop ways to use more biomass for fuel.

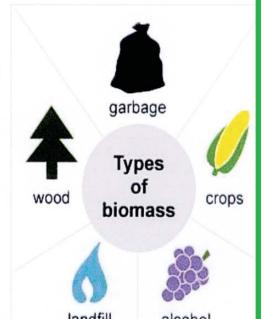
#### Photosynthesis



In the process of photosynthesis, plants convert radiant energy from the sun into chemical energy in the form of glucose—or sugar.

		(carbon					
(water)		diaxide)		(sunlight)	(glucose)		(oxyger
6H,0	÷	600	+	radiant energy	 CH.O.	÷	60,

Source: Adapted from The National Energy Education Project (public domain)



Dear Mr. Dickerson:

Thank you for emailing me your recent column on our nation's long-term energy needs. I appreciate knowing your thoughts on this important issue.

I agree with you that we need to do much more to

lanum	alconor
gas	fuels
: Adapted from The Nation	nal Energy Education Project

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#### Wood and Wood Waste – Basics

#### Biomass-Wood and wood waste

People have used wood for cooking, for heat, and for light for thousands of years. Wood was the main source of energy for the world until the mid-1800s. Wood continues to be an important fuel in many countries, especially for cooking and heating in developing countries.

In 2017, about 2% of total U.S. annual energy consumption was from wood and wood waste-bark, sawdust, wood chips, wood scrap, and paper mill residues.



Industry, electric power producers, and commercial businesses use most of the wood and wood waste fuel consumed in the United States. The wood and paper products industry uses wood waste to produce steam and electricity, which saves money because it reduces the amount of other fuels and electricity that must be purchased. Some coal-burning power plants burn wood chips to reduce sulfur dioxide emissions

Wood is used in homes throughout the United States for heating as cord wood in fireplaces and wood-burning appliances, and as pellets in pellet stoves. In 2017, wood energy accounted for about 2% of total residential energy consumption. In 2015, about 12.5 million U.S. households, or 11% of all households, used wood as an energy

source, mainly for space heating, and 3.5 million of those households used wood as the main heating fuel.

The amounts (in trillion British thermal units) of U.S. wood and wood waste energy consumption by consuming sector and their shares (percent) of total wood and wood waste energy consumption in 2017 were

- Industrial-1,480-69%
- Residential-334-16%
- Electric power-247-12%
- Commercial-84-4%

increase our supply of domestic, renewable sources of energy. I have supported increased funding for biomass, solar and other renewable energy programs. I have also supported tax incentives to stimulate the development of renewable energy sources and encourage energy efficiency.

Senator Bingaman and I have worked over the years in support of the Environmental Protection Agency's Energy Star and energy efficiency programs. These programs increase the efficiency of American industry and reduce energy demand.

I have a particular interest in the development of biomass energy, including ethanol from biomass. Along with former CIA Director James Woolsey, I wrote the enclosed article on "The New Petroleum" and subsequently introduced a bill to accelerate and coordinate the research and development activities of federal agencies with regard to biomass resources. This bill established a competitive research and development program to further the advancement of economical biofuels, biochemicals and biopower from agricultural residues and waste materials. My bill was enacted into law as Title III of H.R. 2559, the Agricultural Risk Protection Act of 2000.

More recently, I co-sponsored a bipartisan Renewable Fuels Act, which the Senate included in the 2003 Senate energy bill. The Act was first offered by Senator Daschle and I three years ago. It creates a Renewable Fuels Standard that will more than double the amount of renewable fuel America consumes, displacing nearly 600,000 barrels of oil per day. The legislation is a culmination of years of effort and enjoys support from a broad spectrum. The bill will also phase-out the use of MTBE (Methyl Tertiary Butyl Ether) within four years and prevent industry "backsliding" on its use.

The Senate took up consideration of the conference port on the Energy Policy Act on November 19. Attempts to end debate on the bill failed, however, reserves lie in the Middle East (including the price increases, agonizingly through developingeffectively postponing any action on the bill, including the renewable fuels provision. I am hopeful that a compromise will be found which will ultimately lead

to passage of this important piece of legislation.

of Energy (public domain)

Coupled with the Renewable Fuels Standard is the Volumetric Ethanol Excise Tax Credit (VEETC). The VEETC brings Highway Trust Fund taxes on fuel ethanol in line with taxes on other fuels, mitigating economic harms states may incur while implementing the Renewable Fuels Standard. The VEETC was included in the Senate's version of the reauthorization of the nation's surface transportation programs. The Senate passed this legislation on February 12, 2004. The House of Representatives must now take up this legislation.

The Renewable Fuels Act and the VEETC represent an important first step toward reducing our dependence on foreign oil and improving our nation's energy security. At the same time, these proposals go far toward protecting the environment, stimulating rural economic development and increasing the flexibility of the national fuel supply to reduce the impact of future price spikes.

Renewable energy not only helps address the threat of climate change, but it is also essential to free ourselves and developing countries from the growing dependence on oil from the Persian Gulf.

Thank you, again, for sharing your thoughts with me on this important issue.

Sincerely, Richard G. Lugar United States Senator

Senator Lugar also sent me the document along with his letter entitled, The New Petroleum. It is too long to put here, so I will copy some of the highlights from it. It was drafted by Richard G. Lugar and R. James Woolsey under the heading of Foreign Affairs, January/February 1999.

".....Well over 2/3 of the world's remaining oil

.....Ethanol has always provided an alternative to gasoline. In terms of environmental impact and fuel efficiency, its advantages over gasoline substantially outweigh its few disadvantages. But until now it has only been practical to produce ethanol from a tiny portion of plant life---the edible parts of corn or other feed grains.....

Recent and prospective breakthroughs in genetic engineering and processing, however, are radically changing the viability of ethanol as a transportation fuel. New biocat-alysts---genetically engineered enzymes, yeasts, and bacte-ria---are making it possible to use virtually any plant or plant product (known as cellulosic biomass) to produce ethanol. This may decisively reduce cost---to the point where petroleum products would face vigorous competition.

.....Genetically engineered biocatalysts and new processing techniques can similarly make it possible to utilize most plant matter, rather than a tiny fraction there of, as fuel. Cellulosic biomass is extremely plentiful. As it comes to be used to produce competitively priced ethanol, it will democratize the world's fuel market. If the hundreds of billions of dollars that now flow into a few coffers in a few nations were to flow instead to the millions of people who till the worlds fields, most countries would see substantial national security, economic, and environmental benefits.

.....This growing reliance on Middle Eastern oil not only adds to that region's disproportionate leverage but provides the resources with which rogue nations support international terrorism and develop weapons of mass destruction and the ballistic missiles to carry them.

.....The International Energy Agency now says that world production outside of.....(OPEC) will peak in 1999 and world production overall will peak between 2010 and 2020.....Once production peaks, even though exhaustion of world reserves will still be many years away, prices will begin to rise sharply.

.....If Genetically engineered biocatalysts and advanced processing technologies can make a transition from fossil fuels to biofuels affordable, the world's security picture could be different in many ways. It would be impossible to form a cartel that would control the production, manufacturing, and marketing of ethanol fuel. U.S. diplomacy and policies in the Middle East could be guided more by a respect for democracy than by a need to protect oil supplies and accomodate oil-producing regimes.....

#### **Fuel Farmers**

Cellulosic Ethanol would radically improve the outlook for rural areas all over the world. Farmers could produce a cash crop by simply collecting agriculture wastes or harvesting grasses or crops natural to their region. Agricultural nations with little to no petroleum reserves would begin to see economic stability and prosperity as they steadily reduced massive payments for oil imports. Even more striking would be the redistribution of resources that would occur if farmers and foresters produced much of the world's transportation fuel.....

.....A major strength of the new technologies for fermenting cellulosic biomass is the prospect that almost any type of plant, tree, or agricultural waste can be used as a source of fuel....

.....Our growing dependence on increasingly scarce Middle Eastern oil is a fool's game---there is no way for the rest of the world to win. Our losses may come suddenly through war, steadily through nation poverty, relentlessly through climate change---or through all of the above.....' **CONTINUED ON PAGE 16** 

Source: National Renewable Energy Laboratory, U.S. Department



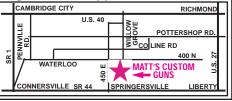
Caspian basin), leaving the rest of the world dependent on the region's collection of predators and vulnerable autocrats.....

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#### **My Conclusions**

Remember, Senator Richard Lugar and Jim Woolsey wrote "The New Petroleum" in 1999.

The New Petroleum information from Senator Richard G. Lugar inspired me to send 100 October Gad-a-bouts to 100 Senators in Washington in hopes they too wanted to help resolve our impending energy crisis. I continued sending The Gad-a-bout to the senators in Washington for several years as I continued to write about our using cellulosic ethanol.

In 2004 I got heavily into the effort sending and receiving information, reports and the like to regional and country wide sources offering to help further the cause for America to pursue oil independence by our using Celulosic Ethanol instead. I got weekly and monthly reports from Washington on the increased usage of Biomass by participating State Governments.

In my February 2008 Gad-a-bout I wrote "Answer to energy problem staring us in the face, but cure not sought. "Here in the United States the answer to all our energy problems is staring us in the face, but the powers to be aren't looking to cure this problem any time soon.

Solar Power, Wind Power and 100% Cellulosic Ethanol can solve our energy problems and in the process create untold sources of income Americans, more so than the industrial revolution of the 19th and early 20th Century combined.

What this country needs now at this crucial moment in history is a leader who understands the potential of these sources of energy and is not afraid to do something about it."

In my April 2008 Gad-a-bout I wrote "I challenge the Candidate's who are currently running for the office of President of the United States to take up the Energy Banner and make Energy your number one objective.

Imagine this from the fact that thousands of men and women in America today scour the countryside picking up metal scraps to sell to recycling centers at junk yards in every town and city.

Imagine this, those same men and women in America today scouring back yards, countryside, woods, fields, gathering weeds, brush, Trees, weeds, woody bushes, plants, sugar beets, cane sugar, crops and for that matter everything that grows naturally from renewable natural growth selling it to refineries who are making cellulosic ethanol from it.

President George W. Bush authorized the building of six Ethanol Refineries across the United States as test sites to produce cellulosic ethanol. One was to be built near Princeton, Indiana.

It never got past the planning stage. Its plan never got off the ground due to locals protesting building the refinery in a pristine natural area and destroying the natural beauty of the area. At least that is what I was told when I inquired about what happened to it.

I wrote a letter to Senator Lugar asking if he could help me meet with President Bush and talk about Cellulosic Ethanol and what it could do for our country.

Senator Lugar responded to me letting me know President Bush couldn't fit me into his calendar at that time. I thanked Senator Lugar and didn't try again.

In a recent Brazilian release on line the headline read, "**Brazil: A Leader in Ethanol Production and Use.** Sugarcane Ethanol. Brazil is the world's largest sugarcane ethanol producer and a pioneer in using ethanol as a motor fuel.

Brazil in 1999 had 3.6 million cars on their roads using Cellulosic Ethanol made from cane sugar, which is very plentiful in Brazil. to avoid this, replace the fuel in your tank fre-

line......Since 2003, the combination of sugarcane ethanol and flex fuel vehicles has reduced Brazil's emissions of carbon dioxide by more than 350 million tons. That is good for the environment as planting and maintaining 2.5 billion trees for 20 years."

It seems to me that cellulosic ethanol is still the answer to America's energy problems today, not only in the U.S.A., but for the world. Cellulosic ethanol is made from renewable plant growth. Trees, weeds, woody bushes, plants, sugar beets, cane sugar, crops and for that matter everything that grows naturally from earths renewable natural growth.

If you wonder who the majority of farmers in northwest America sell their sugar beets to each year, its Brazil to make their Cellulosic Ethanol. Brazil also uses other fuel mixtures in this changing world where we live.

If we had embraced Cellulosic Ethanol technology back in the early 2000's they might be selling their sugar beets to producers such as Poet Inc. in Emmetsburg, Iowa who is the first Midwest cellulosic ethanol plant producing tank-car loads of fuel as reported by David Shaffer of the Star Tribune on March 23, 2016.

Unfortunately for the United States a few years after I wrote volumes about Cellulosic Ethanol and how it would help the United States become independent from foreign oil. I received information from the Biomass Legislative Group in Washington continually news of many states adopting the new technology gearing up for using cellulosic ethanol in their states.

Then E-85 became the topic as "The New Petroleum" instead of Cellulosic Ethanol. E-85 is made from corn and is the 10% of ethanol now put in all the gasoline sold in the United States gas stations. One of the problems with the sudden rush to produce E-85 in the United States was it caused a dramatic shortage of corn for domestic and export use. Many farmers began selling their corn to E-85 producers and less for food manufacturing. Prices rose for corn products on the nations supermarket outlets

Today in the news is ethanol producers wanting 15% ethanol added to gasoline, which is too much ethanol for most vehicles on the road today.

The problem with using Cellulosic Ethanol back in 2004 was every combustible engine using gasoline had to be converted mechanically to use ethanol. Adding to the problem was that there wasn't an easy fix to the problem.

Since that time Flex-fuel autos have been built which can use either gasoline or ethanol.

Recently I found the following information on line under the heading:

#### Is Ethanol Good for Car Engine?

Ethanol is a common additive to gasoline that helps it burn more completely and reduces harmful emissions. Gas stations across the United States stock fuel blended with10 percent ethanol, and most cars on the road today can handle this fuel mix without difficulty. Ethanol can cause increased wear on your engine, however, and using a higher blend than recommended can lead to serious problems.

#### **Alcohol and Water**

quently. You can also

One major problem with ethanol and engines is that alcohol absorbs water, and enough water inside your gas tank can cause your car to stall. This problem occurs most frequently when you have very little fuel in your tank and it sits for a long time, allowing the alcohol-and-water mix to settle to the bottom, where the engine will draw it in instead of gasoline. To avoid this, replace the engine failing to turn over.

#### Seals and Gaskets

In some cases, ethanol can corrode rubber and plastic parts inside older model cars. While modern vehicles have systems designed for ethanol fuel, storing ethanol for long periods can lead to a growth of acidic bacteria in the alcohol mixture that can accelerate damage to these delicate gaskets and seals. If you have to store a vehicle with ethanol fuel in the tank, consider adding a fuel stabilizer specially designed for E10 to prevent bacterial growth and acidification of the fuel.

#### E15 Problems

While almost all vehicles on the road today support E10 gasoline, the ethanol industry has begun producing a 15 percent blend of ethanol, or E15. The higher concentration of ethanol can intensify engine problems, especially in older cars. Only flex-fuel engines or models from 2012 or later should adopt this fuel blend, and you should check your owner's manual before filling up. Using E15 in a vehicle not certified for this fuel can void your warranty and leave you on the hook for costly repairs.

#### E85 Flex Fuel

Some gas stations offer a new blend containing 85 percent ethanol to 15 percent gasoline, called E85 or flex fuel. This ethanol blend is only for vehicles specifically designed to use it, and in a non-flex fuel vehicle it could cause the engine to stall. If you have added only a few gallons of E85 before realizing your mistake, you can dilute it with regular gasoline, but if you fill up the tank with this fuel you may need to pump it out and replace it. Undiluted E85 fuel in a normal vehicle can greatly increase the chances of seal and gasket damage.

In a way this draw-back could spark a second industrial revolution for manufacturers of everything that makes up the combustion engine. Having to retool to make all gasoline combustion engines compatible for cellulosic ethanol use.

100% Cellulosic Ethanol production did not die away when E85 Ethanol was picked to be the new fuel for consumers in America.

I found the following on line the other day.

#### "FIRST MIDWEST CELLULOSIC ETHANOL PLANT IS PRODUCING TANK-CAR LOADS OF FUEL"

Mr. President, guess what. Even though the idea of using Cellulosic Ethanol had seemed to disappear from the horizon I happened to land on the following article on line.

"Poet Inc., the nation's first commercial-scale producer of cellulosic ethanol, is shipping the fuel from its plant in Emmetsburg, Iowa, and could hit full production by the end of 2016.

Of course it was dated 2016, this is 2019. I sent an e-mail to the owner of that business, but didn't get a response back.

I think it would be in America's best interest to take another look at Cellulosic Ethanol as an answer to the future of our energy needs before going off on some half-cocked legislation (Green New Deal) that Democrat Congress person Ocasio-Cortez and Senator Ed Markey released on 2-7-19. Their solution is not based on common sense, its absurd!

(See Page 4 EPA 32.02 Million Cellulosic RINS Generated in Feb 2019)

In 2015/16, Brazilian ethanol production reached 30.23 billion liters (8 billion gallons). Most of this production is absorbed by the domestic market where it is sold as either pure ethanol fuel or blended with gaso-



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# Smokin' On The Water BBC Festival By The Lake

## Smokin' on the Water BBQ Festival By The Lake May 3,4,5, 2019

The Smokin' on the Water BBQ Festival By The Lake will be held on May 3,4,5, 2019. Featuring Live Music, Great BBQ, Craft Show, Home Improvements, Flea Market, Antique Tractor Show, Antique Car Show (Sunday), Flag Retirement Ceremony (Saturday), Garden Tractor Pull (Saturday), Civil War Re-Enactors (Amherst Artillery), Free Parking and Admission, A KCBS BBQ State Championship Contest and Indiana BBQ Trail Event.

The barbecue contests are open to all who want to participate. Everything you need to know about participating can be found on the Liberty Lions Club website, **www.libertyindianalions.com** whether you want to enter barbecue contests, set up a vendor booth, volunteer to help during the festival or just attend as a spectator.

Open and fill out a Cooker registration form, Vendor registration form, Car Show registration form and/or BBQ Judge Application form.

Parking is free and there is no admission to the event. There is handicapped parking near the front gate.

The website is **www.libertyindianalions.com**. You can link onto their website by clicking on the above website with your computer mouse. Their website is up and ready for you. When the website opens you will see the Festival dates and hours, scroll down and you will see 19 event headings. Select the heading you need information for and click on it. It's as simple as that.

Everything you need to know can be found at **www.libertyindianalions.com**. If not, you can also call Carl Sharps Cell: **765-580-0215** or e-mail him at **carl.sharp.c9mm@statefarm.com**.

An added attraction is Treaty Line Pioneer Village, Log Cabins were moved to this location when Brookville Lake filled the valley in 1974.

WHERE TO STAY

#### **MOTELS:**

Connersville Inn, St Rd 1 N, Connersville, IN 765-825-7531 Grapevine Inn, 10083 Bridge St, Metamora, IN 765-647-3738 Gray Haven Motel, 1200 W 3rd St, Connersville, IN 765-825-2151 Heim Motel, 4300 N Western Ave, Connersville, IN 765-825-5118 Liberty Motel, 303 N Main St, Liberty, IN 765-458-6894 Mound Haven Motel, 9238 US Hwy 52, Brookville, IN 765-647-4149 Woodridge Inn, 3700 N Western Ave, Connersville, IN 765-825-4800

#### **CAMPING:**

Mounds State Recreation Area, PO Box 100, Brookville, IN 47012



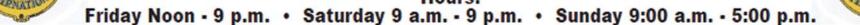


#### (765) 647-2657 (765) 647-2658 **Quakertown State Recreation Area**, PO Box 100, Brookville, IN 47012 (765) 647-2657 (765) 647-2658 **Whitewater Memorial State Park,** 1418 S. State Road 101 Liberty, IN 47353 765-458-5565

#### BED & BREAKFASTS:

**Brookville Inn**, 1049 Main St, Brookville, IN 765-647-5522 **Hermitage Bed & Breakfast**, 650 E 8th St, Brookville, IN 765-647-5182 **Metamora Inn**, 19049 Wynn, Metamora, IN 765-647-2176 **Thorpe House County Inn**, 19049 Clayborn St, Metamora, IN 765-647-5425 **Whitewater Inn**, 19068 Duck Creek Crossing, Metamora, IN 765-647-2287





The Indiana Smokin' on the Water BBQ Festival by the Lake is sponsored by the Liberty Lions Club, all proceeds go to Community Service projects of the Liberty Lions Club.

Activities include a Craft Show, a KCBS BBQ cook off of Chicken, Pork Ribs, Pork and Beef Brisket, Award winning Barbeque (Ribs, Chicken, etc.) & other great eats, Craft Fair, Home Show, Music, Food, & Fun, Antique Tractor & Farm Equipment Exhibits, Handmade Furniture and Instruments, Mobility Carts, Golf Carts, Mowers, and More, Home Improvement Products, Handmade Jewelry, Healthcare Products & Services, Live Music, Antique and Classic Car & Truck Show (Sunday), BBQ Contest (Sunday afternoon) and all happening in the Treaty Line Pioneer Village & Museum.

#### FOR DETAILS LOG ONTO WEBSITE: www.libertyindianalions.com

### An Indiana BBQ Cup Event

This contest is one of the first stops on the points trail for the 2018 Indiana BBQ Cup!



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The American dog tick. (IDNR Photo)



The Blacklegged tick. (IDNR Photo)





by Steve Dake

## Indiana's Creepy Crawlers

It's a beautiful late spring/early summer day with the sun shining; the overall perfect day to enjoy the great outdoors. You pack up the car with some snacks, drinks, binoculars, all of your usual hiking gear, and of course your family or some friends and head to your favorite park or reservoir to enjoy a nice worry free day of hiking through the woods. Everything is going great until...someone in your group feels a slight tickle of tiny legs crawling up their arm. What could it be?....a tick!!!

#### Ticks

Ticks aren't bugs (or insects) at all! Ticks are different in several ways. Ticks have two body parts and eight legs, where insects have three body parts and six legs. There are many species of ticks in Indiana, but the three most common ones are the American dog tick, lone star tick, and black-legged tick and all of these are usually pretty harmless to people.

Indiana ticks may carry two other diseases besides Lyme disease

The two other most common diseases are Mountain Spotted Fever and Ehrlichiosis. Symptoms for these three diseases range from spreading rashes, headaches, fatigue, fevers, to muscle aches. Although your chances of contracting these diseases are pretty rare, if you are bitten the best action to take is to remove the tick, save it and label it in a jar in case symptoms develop.

But remember...the chances of contracting one of those diseases are pretty slim and there are precautions to take to protect against being bitten. All you need to do is to follow

these four easy suggestions: wear long pants and long sleeved shirts, tuck shirts into pants and pants into socks, use insect repellent, and always check for ticks when you leave the woods.

#### How are tick bites treated?

The most important thing to do when you find a tick on you is to remove it. You can remove the tick yourself with a tick removal tool or with a set of tweezers. Follow these steps:

1.Grasp the tick as close as you can to your skin's surface.

2.Pull straight up and away from the skin, applying steady pressure. Try not to bend or twist the tick.

3. Check the bite site to see if you left any of the tick's head or mouth parts in the bite. If so, remove those.

4.Clean the bite site with soap and water.

5.Once you've removed the tick, submerge it in rubbing alcohol to make sure it's dead. Place it in a sealed container.

See your doctor as soon as possible to find out if any treatment is necessary based on the type of tick that bit you.



The Lone-star tick. (IDNR Photo)

With spring and summer come some other creepy crawlers like venomous snakes and poisonous spiders. Here's some information and pictures.

#### **Venomous Snakes**

Of the over 30 species of snakes found in Indiana, only four are venomous, and all four are pit vipers. The four species of venomous snake found in Indiana are the timber rattlesnake (Crotalus horridus), eastern massasauga rattlesnake (Sistrurus catenatus catenatus), northern copperhead (Agkistrodon contortrix mokasen) and western cottonmouth (Agkistrodon piscivorus). Timber rattlesnakes inhabit a small area in south-central Indiana; the eastern massasauga is an endangered species that inhabits northern Indiana. Only a small, isolated population of cottonmouths exists in south-central Indiana. Copperheads have the largest range of any venomous snake in the state: it spreads across southern Indiana into areas of central Indiana.

#### Spiders

There are around 400 species of spiders





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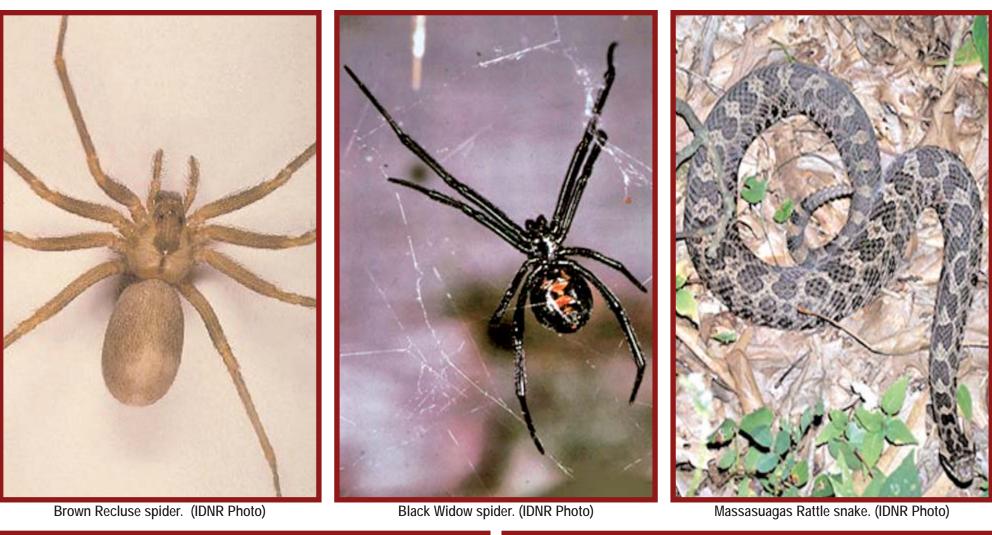
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Timber Rattle snake. (IDNR Photo)

known to occur in Indiana. Only two species found in Indiana are capable of inflicting serious injury to humans. While both the brown recluse and black widow spiders are known as poisonous, neither is aggressive. Bites from them are quite rare.

Black widow spiders live in undisturbed locations and are rarely found in homes. The females will be active during the day on their irregular web, near ground level. Adult females are shiny black, have a red or yellow "hourglass" on their underside, and are about the size of a penny with their legs extended.

Brown recluse spiders are sometimes called "fiddle-back spiders" because of the violinshaped marking on their back. The spiders, with legs outstretched, are about the size of a half dollar. They are one of few North American spiders with six eyes. Brown recluse are often found in barns, sheds or other dry places.

Fatalities from spider bites are extremely rare. Reactions to bites vary by the amount of venom injected and patient's the age, health, and individual sensitivity. Subjects who have been bitten who experience severe pain, trouble breathing, dizziness or nausea should seek medical attention as soon as possible.



Copperhead snake. (IDNR Photo)







Cottonmouth snake. (IDNR Photo)

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give your personal firearms a good cleaning and inspection. We here at The Gun Den will clean and inspect it for you to keep it in top working order. Price vary on what needs to be done to it.

We also do written appraisals for personal and insurance purposes with pictures and information about the firearm.

The Gun Den has a large selection of firearms in stock for you to look at or visit our website at thegundenonline.com for specials. We also find hard to get firearms for collectors or to just replace an old firearm that you had when you was a kid. We buy or do consignments on large firearms collections. We have lay-a-ways and soon will have financing for firearms.

We also do fundraisers for organizations or any reasons to raise funds for the need. Call

(317) 398-3852 for more information. We can help you raise hundreds to thousands of dollars for your group. We are located at 337 Roosevelt **Dr. Shelbyville In. 46176.** 

We also do hydro dipping which is putting a pattern on an object like gun stocks, 4 wheeler & auto parts, and anything that can be submerge in water. Price vary on size and what type of object.

We will be carrying live bait and fishing items starting this spring.

Anyone who has unusual pictures of wildlife or anything they would like to share email Steve Dake at <u>sdake@sbcglobal.ne</u>t. I will contact you about the picture.

Till next month we at The Gun Den would like to thank everyone for there business and support.

#### THE GAD-A-BOUT 1990 - 2019

# Indiana Outdoors



by Joe Martino

## There's more than one way to skin a...turkey

#### Being versatile will result in more turkeys to your credit, and more spurs on your necklace

Turkey hunting is supposed to be heart-pounding. Gobblers are supposed to march into your decoys calling and put on one heckuva show; Thumping your jake or gobbler decoy, gobbling and strutting for the hens, and overall just giving you one amazing experience. But that doesn't always happen. In fact, when dealing with longshanked, old birds, it rarely, if ever happens.

Yeah, it would be nice if all birds played by those rules, but they don't, so in order to be consistently successful at tagging turkeys, you sometimes have to break from the norm and get a bit spicy.

I learned this years ago while working as a turkey hunting guide in famed Pike County, Illinois. My boss then taught me a lot about turkey hunting, and what he taught me was that sometimes, more often than not, about the only way to kill an old, wise bird is to either know their habits and wait them out or try to use the terrain to get you in close. Neither one was very fun for me, since they strayed from the traditional turkey hunt we all love. These methods seemed almost boring, and my confidence at being successful with either method was low; until I began getting experienced at this style of hunting.

Since those days of guiding in Illinois, I have gotten much better at closing the distance on birds rather than wait and hope they fall for my set-up and come in. Don't get me wrong, my first option is to set behind decoys and call. It is

always how I plan to hunt, but sometimes you have to make things happen.

Case in point, the birds that my son Nick and I each killed last year came as a result of moving in on them. I happened to see mine from a long way off and was able to use the terrain to close the distance from a quarter mile to thirty yards. Now, understand that stalking up on a turkey is futile; but, if you can use the terrain to hide your movements, then you have a real chance. I was able to use a dip in the terrain to hide me from the gobbler's vision until I was about fifty or sixty yards away, at which point I had to bellycrawl from bush to bush in high weeds to remain unseen. If you've ever seen me, you would never believe it's possible, but when it comes to a turkey dinner, I am capable of great things once in a while.

On Nick's bird, we tried patience. For three hours, we watched a pair of toms meandering in a picked corn field paying absolutely no mind to our decoys or calling. That told me these were old birds. They know the hens are supposed to march to them and they weren't budging. Younger toms would have likely broke and came in.

Once the birds made their way onto a ditch, I surmised that something had to give. It was



The author at left and his son Nick at right, had to use unconventional tactics to tag their birds last year, and have had to in years past as well. Being versatile will enable you to kill far more turkeys over your life time. (Author Photos)



obvious they were not going to come our way, so I was looking for a way to go to them. The problem; if they dropped into the ditch, my plan would likely fail and we would get busted. If they headed the opposite direction, we would watch them walk out of our lives for that day. If they came towards the tree line we were sitting on, we would be in the chips. We just had to make it there without them knowing it.

Luckily for us, there was also a small ditch right behind us, so when the birds disappeared, we slinked into the ditch and made our way to hopefully cut them off.

Once we got to the intersection of the two ditches at the corner of the small woodlot, we carefully crept through some tall grass behind a large tree. The gobblers were directly in front of us about ninety yards out, and they were making their way to us. They slowly pecked and fed in our direction and eventually ended up fifteen yards in front of the tree we were laying behind. A few seconds later and Nick was standing over his personal best turkey to date.

There was no way we would have gotten that bird by sitting idly by. Nope, we made a decision and it paid off well. When going after turkeys this way, you will spook some; it's inevitable. Or they may be long gone by the time you get there. They have to be hanging around a particular spot for a while for this method to work, and you have to have faith that they will be there once you get into position, because when hunting them like this, most of the time the bird(s) are not visible. If you can see them, then trust me, they can see you. But sometimes they aren't there by the time you get there. Oh well, it happens.

Turkey hunting like this is not for everyone, and it takes confidence to pull it off. It certainly goes against the typical hunt we all love, when all else fails, it doesn't hurt to adapt and be a little creative either.





# MY FISH IS BETTER THAN YOUR FISH

Once again we joined the flocks of snowbirds who migrate annually to the so-called sunny state of Florida. I say so-called because this year it was any thing but sunny. As the weather turned sour up north, the tail end of it would drift south and leave us wondering why we spent all that money and still shiver with colder temperatures. Granted, there was no snow or ice to contend with, but this year, high winds, fog, rain and temp's in the low forties was small compensation.

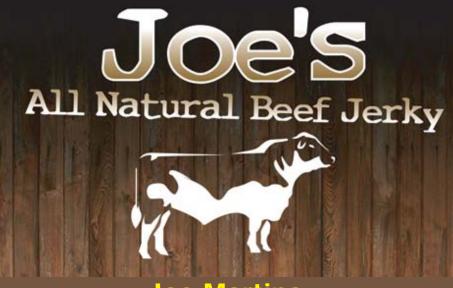
We stay at Miramar beach in Destin with a surf side view of emerald green and blue waters with a sugary white beach that stretches for miles both east and west. We know that further south in the state is a different story weather wise, but higher costs down there would put a strain on our meager budget. So, we're willing to accept less than tropical conditions in exchange for frigid temp's and snowy conditions up north. However, in our high rise there are certain kudos such as a heated indoor pool, hot tubs, glorious sunrises and sunsets over the gulf, and most important, a fifty acre freshwater lake directly behind our lodging. The lake is full of large mouth bass and depending on weather conditions, the action can be interesting. Fishing it for the past five years has taught me what lures produce the best action.

I've had no interest in surf fishing. Picking a spot to cast would be like trying to pick a parking spot in an empty 100 acre parking lot. With no discerning features in the water, like tree stumps or aquatic growth for fish to hang around in, it's just pick a spot, cast out and hope that something swims by in a week or less. I've sat on our patio deck and watched surf fishermen poke their rod holder in the sand, cast out, slide the rod into the holder and sit on a small folding chair for a couple of hours, get up, gather their equipment and leave without so much as a single fish. Their only hope for action might come from a jogger running under the line and getting entangled. That could prove interesting depending on whether the jogger is a tolerant person or a little old lady with a short sense of humor.

My first try at the lake was on a blustery day that had the surface chopped up. I decided to try it from a boardwalk that spans the width of the lake. A scruffy palm tree sits just a few yards from the entrance to the boardwalk and the wind had its fronds dancing wildly. I cast and watched for the lure to hit the water. No splash. I figured I couldn't see it due to the surface roughness. I waited a few seconds to let the lure settle and began a slow retrieve. It was then that I noticed the line wasn't in the water but was arcing to my right in the wind. Further reeling and the line tightened to my lure stuck in the top of the palm tree where the wind had blown it. Tying on another lure I moved further out on the boardwalk. I spent the next hour having nothing to say about placement of the lure as the wind blew it wherever it wanted. During that time I answered numerous inquiries from board walkers on my luck, but few understood my explanation about snagging and losing a record palm bass.

The following days got better and I began catching quite a few bass, none being record breakers but still entertaining. One morning I decided to take some time off and just sit on the patio deck and watch for bikinis on the beach. I noticed a small group of four by the surf with a lot of equipment in rods, bait boxes and chairs. One young man, using a heavy rod, cast and stood holding the rod. I wondered why no rod holder. Fifteen minutes later he heaved back on the rod and the action began. From my vantage point he was having a difficult time and it looked like he had hooked a miniature sub. For half an hour he struggled until one of the group fitted him with a harness equipped with a rod holder socket. Another half hour went by as he heaved and cranked. Finally, a dorsal fin broke the surface a few yards offshore and he dragged a seven foot shark onto the beach. A shark? In a swimmers paradise? Especially a seven footer? A small crowd gathered to watch them unhook it, move it around a little in the water and then shove it back into the surf. The movie JAWS came to mind as I thought, well, there goes an innocent student from Arizona State here on spring break and enjoying a dip in the surf.

Half an hour later the other fisherman heaved and after an hour long fight drug the twin to the first one onto the beach. By this time a crowd of perhaps fifty people had gathered to watch the action. They also released that one and I figured the University of North Carolina would have to do without one of its sophomores for the remainder of the year. These people were obviously geared for shark fishing, using giant hooks and whole fish as bait. As I watched I felt small and insignificant in my fishing for those puny bass. But I didn't care. Just the day before, I lifted a small bass out of the water just as an older lady walked by. She watched and seemed genuinely excited to see such a magnificent specimen being caught by a skilled fisherman. I autographed the back of her shirt and charged her five dollars boardwalk fees. Heh. heh.



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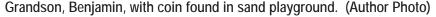




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This is some of the Civil War relics in our collection found with a metal detector. (Author Photo)





With Rich Creason

# Metal Detecting Season is Now Open

Actually, there is no closed season on metal detecting. Granted, there are some times of the year (like most hobbies) when you probably don't want to enjoy this activity. Below zero temperatures, frozen ground, lightning storms, maybe even heavy rains will slow down the most avid user of a metal detector.

Unlike some other sports, a lifetime license to pursue this hobby is free. This license is good from any age a child is able to hold the machine (our daughter and grandson both started when they were four years old) until a person is too old to walk, bend over, and carry a detector. We have hunted with numerous friends well into their 80's, and I'm sure there are others even older who still enjoy detecting. This license has no paperwork and is automatically bestowed on any person who acquires a metal detector, new or used.

Unfortunately, there are some areas which are off limits to a person using a detector. Foremost among these areas are anyplace whose name starts with "National". National Parks, Monuments, Battlegrounds, etc. Next is most places with "State" in their name. Some of these do allow detecting, almost always with written permission. Then, of course, private property is off limits unless you gain permission from the owner. Often, this is as simple as asking. The answer will sometimes be "No!" with or without the exclamation point. But, I have received many positive answers, sometimes with the addition of the owner asking if we can show them how our detectors work.

One of my favorite detecting grounds is around older houses. There are many items lost in an old yard with decades of adults (and kids) losing coins, toys, keys, jewelry, and more. When we are finished, the owner often tells us they have a friend or relative with an older yard and they can get us permission to hunt there if we would like. I still have permission to search dozens of yards over 100 years old and just don't have time to get to all of them. A friend of ours gave us permission to hunt their yard, and six other yards in the same block, all belonging to close family. Each was over 100 years old. We have only gotten to hunt two of these so far. We found coins, tokens, jewelry, and lots of trash.

On one occasion, I hunted the yard of an old, abandoned, farm house. There was a couple inches of snow on the ground, and a cold drizzle was falling. I hunted several hours and found about a five gallon bucket of trash. This included 4 broken butcher knives and about a dozen of the old metal canning jar lids with the glass insert inside. All of these were broken. I think the lady of the house just opened the back door and anything she broke just got tossed in the yard. But, I did find seven coins that day. The newest was a 1923 Mercury dime, and the oldest was an 1852 large cent. There was probably more coins there, but I was cold and wet and decided to head home. I never returned to that location.

I love hunting sand beaches. They are great for finding jewelry. A person's hands get cold and wet, they throw a ball or Frisbee, and off flies a ring. (I always take my ring off before hunting in the water!) Teenagers get horse playing in the water and a delicate gold necklace gets broken and falls to the bottom. While I find jewelry in other spots, the beach is always the best. Indiana, there was a few battles and many campgrounds. Some relics can be found in woods and fields. When the soldier came home from the war, he wore his uniform around the farm. Many corn and bean fields used to be the site of an old farmhouse. We hunt these fields and find many Civil War uniform buttons which have been lost and occasionally a musket ball or bullet.

While tokens are not common today, there were a lot around years ago. I have found some really neat ones with my detectors. I found three in one yard which said "Good for one cigar". After checking around, I found there was a cigar store in our town which gave out these tokens when I was young. Another token said "Good for 1 pint of milk". I was told this was from a local institution. I have found several bus and railroad tokens.

One of my favorite finds is a watch fob shaped like a bulldozer. On one side it says "Professional Jungle Clearers". On the other is a map of Vietnam and a date. I imagine some soldier lost this after he returned from that war.

To date, my oldest coin is an 1803 large penny found in a yard in Pendleton. It is extremely worn and the date can just barely be read. When I found it, it was almost 200 years old. Now it is almost 220. When that coin was minted (and maybe when it was lost), Indiana was not even a state yet. The population in this area was pioneers and settlers, and not many of those. That penny was very valuable back then. My goal is to find a coin from the 1700's, but the chances of doing that would be better if I lived somewhere on the east coast.

Metal detectors have evolved a long way in the last 40 years. My first one would find a coin at four or five inches deep. Basically, if the machine indicated a target, you didn't know anything else about it. Now, many detectors run on one battery, can find a coin over a foot deep, and the screen will tell you what the machine thinks the item is, how deep it is, and you can decide whether you



While there was not much Civil War action in

want to dig it up or not. My motto is "If it beeps, dig it." The author may be reached at evewrite4u@aol.com.





Susie with huntmaster, Gary Manning with the Garrett detector she won in a paid or seeded hunt. (Author Photo)



A silver and gold coin I won in a seeded hunt. (Susie Creason photo)



This gold and garnet ring was found by the author in the water at a Minnesota fishing camp. (Author Photo)

Author (far right) giving beach hunting instruction to a group of outdoor writers. (Susie Creason Photo)

## Fishing Lake Michigan CONTINUED FROM PAGE 11

One way to make it less likely (but not totally immune) from being boarded and checked by the Coast Guard is to submit to a voluntary Vessel Safety Check conducted by a member of the U.S. Coast Guard Auxiliary. Most major ports have an Auxiliary and set up check-points at popular marinas a few times each boating season. Alternatively, go to www.safetyseal.net and arrange to meet with an Auxiliary Inspector from your area at a mutually agreeable time. There's no charge. Once your boat passes and you display the sticker on your boat, the chance of being singled out by a USCG patrol vessel for a random inspection drops precipitously. If you passed the Auxiliary inspection and nothing changes on your boat, you'll pass the "official" inspection. THE END

## On The Cutting Edge CONTINUED FROM PAGE 4

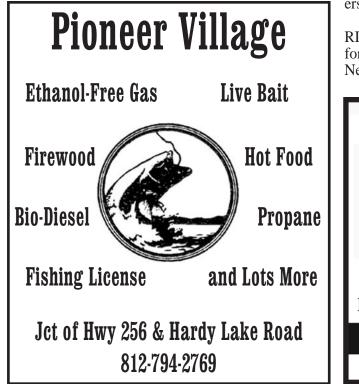
were generated in February, bringing the total for the first two months of the year to 20.61 million. Production included 9.06 million D5 RINs generated for nonester renewable diesel by domestic producers, 4.21 million RINs generated for naphtha by domestic producers, 1.13 million RINs for ethanol generated by domestic producers, 1.07 million RINs generated for renewable heating oil by domestic producers, and 32,367 RINs generated for renewable compressed natural gas by domestic producers.

More than 1.15 billion D6 renewable fuel RINs were generated in February, bringing the total for the first two months of 2019 to 2.36 billion. The majority, 2.32 billion, were generated for ethanol by domestic producers, with 39.81 million generated for nonester renewable diesel by foreign entities, 1.96 million generated for ethanol by importers and 16,767 generated for biodiesel by domestic producbiodiesel by domestic producers, with 121.26 million generated for nonester renewable diesel by domestic producers, 63.69 million generated for nonester renewable diesel by foreign entities, 30.34 million generated for biodiesel by importers, 611,582 generated for renewable jet fuel by domestic producers, and 4,815 generated for renewable heating oil by domestic producers.

According to EPA data, more than 2.97 billion RINs were generated during January and February 2019, with 2.83 billion generated domestically, 60.88 million generated by foreign entities and 35.73 million generated by importers.

#### CELLULOSIC ETHANOL COMMERCIALIZATION

**Cellulosic ethanol commercialization** is the process of building an industry out of methods of turning cellulose containing organic matter into cellulosic ethanol for use as a biofuel. Companies, such as Iogen, POET, DuPont, and Abengoa, are building refineries that can process biomass and turn it into bioethanol. Companies, such as Diversa, Novozymes, and Dyadic, are producing enzymes that could enable a cellulosic ethanol future. The shift from food crop feedstocks to waste residues and native grasses offers significant opportunities for a **CONTINUED ON PAGE 24** 



ers. Nearly 293.03 million D4 biomass-based diesel RINs were generated in February, bringing the total

for the first two months of the year to 354.35 million. Nearly 337.4 million D4 RINs were generated for

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## News of Native American Indians in Indiana



**by Shirley Willard** Fulton County Historian, Rochester, Indiana

## Adam Burnett Trading Post Robbed in 1840

Before Indiana became a state, all of Fulton and northern neighboring counties were Potawatomi Territory. The Fulton – Miami line marked the boundary between Potawatomi and Miami Indian territories.

Abraham (Abram) Burnett, a Potawatomi Indian, was born in November 1812 on the north side of the Tippecanoe River at a place called Muncie. This caused confusion because the present city of Muncie is nowhere near the Tippecanoe River. But Muncie means rocky place in Potawatomi. For years Burnett's descendant Tom Hamilton searched for the birthplace and finally decided it was on Ernie Hiatt's farm on 450 North, aka the Indiana Metal Road, in Richland Township.

There were two men named Abraham Burnett, the older one being half white, son of white trader William Burnett and his Potawatomi wife, Cone-zo-qua, daughter of Chief Chebass, who was brother to noted Potawatomi Chief Topinabee. The younger Abraham is usually called Abram Burnett and was a full blood Potawatomi. He is the one who had a trading post on the Tippecanoe River and Michigan Road north of Rochester.

As a young boy Abram was big for his age and served as guide for Rev. Isaac McCoy as they visited Indian villages to spread the gospel. Abram's Indian name was Nan-Wesh-Mah. He married Marie DemosKakiague, daughter of Chief Aubbeenaubbee. George Winter painted her portrait. Abram was the same age as Father Petit and traveled with him on the return trip to Indiana after the Potawatomi were forcibly removed to Kansas on the Trail of Death in 1838. Petit died in St. Louis in February 1839 on the way back to Indiana.

While Abram was gone on the Trail of Death, someone broke into his trading post and stole many items. Somebody must have told Burnett who stole his goods because he sued the thief in Fulton County court.

Bill and I recently visited the County Clerk's Office to get a copy of the court record when Burnett sued the man, David Stomder (or maybe it is Stawden – handwriting is hard to decipher). The date was March 1840. Handwriting at that time involved the old "s" that is more like an "f", and it is hard to tell the "w" from the "m".

The list of stolen items is long and typical of a trading post in frontier days: 20 blankets, 10 coats, 10 over coats, a hogs (hogshead or barrel) of kitchen utensils and household furniture, 10 pieces of cloth, 5 rifles, 20 hogs, 3 cows, 5 ponies, 3 trunks, 5 axes, 15 brass and copper kettles, 20 mats, 20 sacks, one keg of salt, one sack of flour, one Bowie knife, 5 tin buckets, 12 plates, 6 dishes, 2 smoothing irons, 18 books, one drawing knife, 5 augers, 12 shirts, 12 collars & Bosoms, several articles of clothing, for a grand total of \$600.

A jury of 12 men met and decided to award Burnett \$82, instead of the \$600 he asked for. The \$600 was probably the price Burnett hoped to sell the items for, not the amount he had paid for it. The jury consisted of Stephen M. Bishop, Hiram L. Welton, John Cullen, William Moon, Stephen P. Taylor, Vincent McCoy, Joshua Lindsey, Anthony P. Bellow, William S. Lindsey, Charles Clifton, Aaron Crimmons, and Wilson Shelton, "twelve good and lawful men."

I am not sure if Burnett ever received the \$82 as he went back to court later, asking to be paid.

After 1840 Burnett lived at Sugar Creek, Kansas, where his wife died. Then he married a German woman, Mary Knoflock and spent the rest of his life at Topeka.

In March 1870 Abram Burnett was required to give a deposition in court regarding a land dispute. In this deposition he told of his early life in Indiana.

It is interesting that he was born right here in Fulton County but that was never recorded, leaving it a mystery about where was his birthplace on the Tippecanoe River called Muncie or "rocky place." Years ago I helped Tom Hamilton search for Burnett's birthplace. Then Tom brought his five teenage grandsons to visit Ernie Hiatt's farm a couple of years before Tom died in 2010. Tom and his descendants are members of the Citizen Band Potawatomi Nation.

Burnett weighed about 450 pounds and got the reputation of being the biggest strongest man in Kansas. Another huge man came to him and wanted a contest to see who could lift the biggest rock. Burnett accepted the challenge and told him to find the biggest boulder he could lift. The man came with a big bounder. Burnett told the man to sit on the boulder and then he lifted both the man and the boulder. Burnett kept the title of biggest strongest man in Kansas.

## On The Cutting Edge CONTINUED FROM PAGE 23

range of players, from farmers to biotechnology firms, and from project developers to investors.

CELLULOSIC ETHANOL PRODUCTION COMMERCIALIZATION BY COUNTRY

Australia, Brazil, Canada, China, Denmark, Germany, India, Italy, Japan, Norway, Russia, Spain, Sweden, United States.

FAYETTE COUNTY BICENTENNIAL BIRTHDAY CELEBRATION FESTIVAL MAY 16 - 19, 2019 SEE PAGE 10 Fayette County turned 200 years old on December 28, 2018 and is Celebrating it May 16 - 19, 2019.

#### See Page 10 for all the details.

#### MAY 9, 2019 HEALTHY AGING EXPO KUHLMAN CTR WAYNE CO FAIRGROUNDS

Join us at the annual Healthy Aging Expo Thursday, May 9 from 10 a.m. to 2 p.m. in the Kuhlman Center at the Wayne County Fairgrounds at 861 N. Salisbury Rd., Richmond, IN 47374.

Free admission, Complimentary Lunch (first 200 attendees) and Prize drawings. Over 70 Informational Booths - Health & Wellness, Financial Services, Area Activities. Interactive Demonstrations. For more information contact: Beth Evans, Dir. of Community Services, call **765**-**405-3001** or email <u>bevans@life-streaminc.org</u>. Visit www.lifestreaminc.org/-healthyagingexpo.

#### NEW ALSACE CONSERVATION CLUB'S 31ST ANNUAL FISHING DERBY

New Alsace Conservation Club's 31st Annual Fishing Derby is being held on Saturday, May 4th from 7 A.M. to 5 P.M. at Lake In The Pines just west of New Alsace. Our derby is designed to encourage adults and children alike to enjoy fishing, the outdoors and practice water safety. The New Alsace Conservation Club is a non-profit organization in our 37th year of operation. We would like to invite all to join us in celebrating our 31st derby.

We will be giving away derby prizes and door prizes valued at \$1500 or more to those who are registered. The derby is open to the public with an entry fee for adults and children 12 years and older of \$18.00. Children under 12 are free. The derby will run from 7am until 5pm. Rain or shine. Registration will begin at 6am on derby day and continue throughout. It should be noted that participants are not required to possess an Indiana fishing license, since they will be fishing at a private lake.

Lake In The Pines is located west of New Alsace at 10412 N. Dearborn Rd., Sunman, IN. Directions: From the east take I-74 St. Leon Exit, 3 mi. S. on St. Rd. 1, right on N. Dearborn Rd. 3.5mi. Or, from the West take I-74 Sunman Exit, 3 mi. S. on St. Rd. 101 to Sunman, left on Eastern Ave. (N. Dearborn Rd.) 4.5 mile.

We are very excited about the New Alsace Conservation Club reaching the milestone of this being our 31st fishing derby; and would like everyone to come out and enjoy a day of fishing and fun.

For more information call Lake In The Pines at 812-623-2136 or Dale Back at 812-623-2431 or Email: <u>backdale@gmail.com</u>. Website: <u>www.newal-</u> <u>saceconservationclub.com</u>. We are a registered Not-for-Profit corportation in Indiana.

#### BOXWOOD BLIGHT FOUND IN INDIANA LANDSCAPE

The DNR Division of Entomology & Plant Pathology has discovered boxwood plants in the landscape of central Indiana infected with the boxwood blight fungus. The infected plants had been purchased several years earlier from a local retail chain stores.

Boxwood blight (Calonectria pseudonaviculata) is a fungal disease that infests members of the popular Buxaceae family, and is often transported through the nursery trade. Hosts include Buxus (boxwood), Pachysandra (Japanese spurge) and Sarcococca (sweetbox). Annual inspections of nursery stock by the DNR verify that this pathogen is not indigenous to Indiana, nor can it be found in nursery stock that is sourced locally. When the fungus, which can lay dormant in drier conditions, is present, it can be found on all aboveground portions of the plant and presents itself as dark leaf spots. It causes rapid defoliation, which typically starts on the bottom of the plant and moves

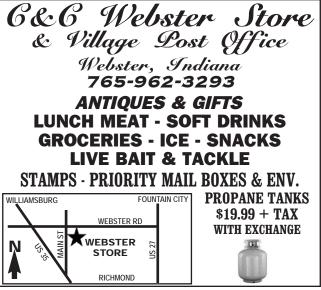
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toward the top. This fungal pathogen can move through sporulation in water and from dropped leaves. As a result, infection can spread to surrounding plants from a single infected plant.

If you suspect one of your plants shows signs and symptoms of boxwood blight, please call (866) NO EXOTIC (866-663-9684) use the information at dnr.IN.gov/entomolo.

For more information on this pathogen, see the following link extension.purdue.edu/extmedia/BP/BP-203-W.pdf

The DNR is currently surveying for boxwood blight in Indiana. To date, the DNR has not found the pathogen, except for a few interceptions at retail chain stores that source materials from out of state.

If you see symptoms of this plant pathogen, call the DNR at (866) NO EXOTIC (866-663-9684) with the location. Members of the public may report boxwood blight or any other invasive species to the DNR through the Report IN website eddmaps.org/indiana/ or by downloading the Great Lakes Early Detection Network (GLEDN) app on a smartphone.

For more information on all invasive species that could affect Indiana and ways to help stop their spread, see <u>dnr.IN.gov//3123.htm</u>.

#### BODY RECOVERED FROM OHIO RIVER (FLOYD COUNTY)

Indiana Conservation Officers are investigating after a body was recovered from the Ohio River this evening. The Louisville Fire Department recovered the body of an unidentified male shortly before 6:00 p.m., near the junction of Silver Creek and the Ohio River.

An autopsy is scheduled for early next week. Assisting agencies at the scene included the New Albany Fire Department, New Albany Police Department, Louisville Fire Department, Floyd County EMS, and the Floyd County Coroner's Office.

Anyone with information concerning this investigation is encouraged to contact Indiana Conservation Officers' Central Dispatch at **812-837-9536**. No further information will be released until completion of the autopsy.



**AVOID PLANTING INVASIVE PEAR TREES** Gov. Eric Holcomb has proclaimed this week, April 8-12, as Invasive Species Awareness Week in Indiana, an important reminder for Hoosiers to watch for potentially devastating pests.

Ornamental pear trees, most commonly known as Bradford pears, have been a popular landscaping tree in Indiana for decades. replace them when possible.

"Over time different varieties of pear have cross pollinated in our urban areas, allowing them to rapidly spread into our natural resources," said Megan Abraham, director of the DNR Division of Entomology & Plant Pathology.

Cultivated forms of this invasive species are most accurately known as Pyrus calleryana or the Callery pear tree. Commonly available ornamental pear cultivars, all of which are invasive and should be avoided, include Bradford, New Bradford®, Cleveland select, autumn blaze, Aristocrat®, capitol, Chanticleer®, and dozens more.

In addition to being invasive, these cultivars, which are known for their striking white flowers, typically don't last long. They are structurally weaker and more easily damaged by storms than native trees.

Carrie Tauscher, urban forestry coordinator with the DNR Division of Forestry, says evidence of the trees' rapid spread is easy to see.

"Just take a look for glossy leaved, egg-shaped trees in highway interchanges," Tauscher said. "It's common to find them in unmown areas under utility lines and in lots and fields initially cleared for construction that are then left fallow."

Stopping the spread of this invasive plant means selecting alternate trees for yards and forested property. The best tree to replace any invasive tree species is one that is native to a particular region.

If you are looking for an alternative flowering tree for Indiana, serviceberry trees, which have similar white blooms in the spring and fruits that attract wildlife, are one option. Eastern redbuds, which grow quickly with eye-catching lavender flowers in the spring, are another option.

To learn more about native trees that are great for landscaping, visit the Indiana Native Plant and Wildflower Society page at inpaws.org/landscaping.

For more information on all invasive species that could affect Indiana and ways to help stop their spread, see <u>dnr.IN.gov//3123.htm</u>.



REMEMBER FIREWOOD RULE WHEN CAMPING

Gov. Eric Holcomb has proclaimed this week, April 8-12, as Invasive Species Awareness Week in Indiana, an important reminder for Hoosiers to watch for potentially devastating pests.

With the arrival of camping season, visitors to DNR properties can help prevent the spread of invasive species by brushing up on the DNR firewood rule.

The rule helps protect Indiana's trees from the 140 known pests and pathogens that currently affect forests, as well as pests we don't know about yet. Several pests and pathogens are transported through firewood movement.

state forests, and state fish & wildlife areas can bring firewood from home—as long as the bark has been removed. Removing the bark minimizes the risk of accidental infestation through firewood movement, because insect larvae live in sapwood under the bark.

Guests may also bring firewood into DNR properties, if it's:

— Kiln-dried scrap lumber.

— Purchased outside the property and bears either a USDA compliance stamp or a state compliance stamp.

— Purchased from the property campstore or onsite firewood vendor and has a state compliance stamp.

Regardless of where visitors get their firewood, they should burn it all at the campsite before they leave.

In short, the firewood rule means: Buy it with a stamp, bring it debarked, burn it all.

"There are several invasive species causing significant damage to Indiana's natural resources at this time" said State Entomologist Megan Abraham, who is the director of the DNR Division of Entomology & Plant Pathology. "Emerald Ash Borer, Callery pear, Gypsy moth, Kudzu, Hydrilla, and Purple Loosestrife to name a few."

"It's the species that we have not spotted in Indiana that we need help from the public to keep an eye out for," she added.

The DNR asks members of the public to keep an eye on their local forests and natural resources for signs and symptoms of trees or vegetation dying off for seemingly no reason.

"The DNR would rather come out and inspect an area and find nothing to worry about than find out after the fact that someone had spotted a problem and failed to report it," Abraham said.

If you see signs of trees in decline with no explanation, call the DNR at (866) NO EXOTIC (866-663-9684) with the date and location. Members of the public may report invasive species to the DNR through the Report IN website at eddmaps.org/indiana/, or by downloading the Great Lakes Early Detection Network (GLEDN) app on a smartphone.

For more about the rule see firewood.dnr.IN.gov. For more information on all invasive species that could affect Indiana and ways to help stop their spread, see <u>dnr.IN.gov//3123.htm</u>.

#### REMEMBER TO CLEAN, DRAIN, AND DRY THIS BOATING SEASON

As the weather warms and more people get out on their boats, the Indiana Department of Natural Resources reminds boaters to prevent the spread of aquatic invasive species by cleaning, draining, and drying their watercraft when they are finished on the water.

"This week we celebrate Invasive Species Awareness week by highlighting how the public can do their part in protecting Indiana's lakes and rivers from aquatic invasive species," said Eric Fischer, aquatic invasive species coordinator for DNR Division of Fish & Wildlife.

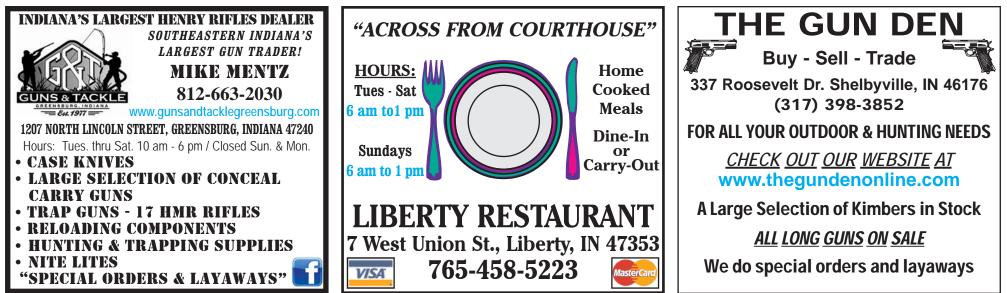
Aquatic invasive species (AIS) are non-native aquatic animals, plants, microorganisms, and pathogens that can hurt native aquatic plants and wildlife, harming the environment, human health, and businesses. They arrive in a variety of ways, including on trailers, on boat hulls and motors, on fishing gear, and through the pet trade. Clean: When leaving the water, clean all equipment that touched the water. This includes watercraft hulls, trailers, shoes, waders, life vests, engines and **CONTINUED ON PAGE 26** 

in marana for accades.

So popular that they are crowding out native Indiana trees.

For that reason, the Indiana Department of Natural Resources encourages homeowners and landscapers to avoid planting such trees and to

Under the rule, visitors to state parks, reservoirs,



# **Gad's Corner**

Photos sent to The Gad-a-bout for GAD'S CORNER must contain identifying information, date, weight, points, other, experience, etc. Send a phone number in case I need to contact you. Send regular size, i.e. square and horizontal rectangular photos. Large vertical photos can only be used when I have enough space to use them. <u>Please identify person with game!!!</u> Send Photos to: The Gad-a-bout, 105 E. South St., Centerville, IN 47330 or E-mail .jpg photos to: raythegadabout@gmail.com Questions Call Cell Phone: **765-960-5767** 

## On The Cutting Edge CONTINUED FROM PAGE 25

other gear. Remove all visible plants, algae, animals and mud.

Drain: Drain accumulated water from watercraft or gear, including live wells and transom wells, before leaving the ramp or public access point.

Dry: Once home, let all gear dry for at least five days before using it in a different water body.

If you suspect you have found an aquatic invasive plant, fish, mollusk, or crustacean, report it to the Division of Fish & Wildlife at <u>dnr.IN.gov/6385.htm</u>, through the Report IN app at <u>eddmaps.org/indiana</u>, or by calling the Invasive Species Hotline at **866-NO-EXOTIC** (**866-663-9684**).



#### *KEEP WILDLIFE WILD THIS SPRING* With April showers and May flowers come baby animals. This spring, keep wildlife wild by leaving them where they belong.

If you encounter a baby animal alone, remember: Adult animals rarely abandon their young. The parent may be out of sight gathering food. Leaving young unattended is normal for many species. To minimize discovery by predators, adults return only a few times a day.

Do not hover to see if a parent has come back to their young. An adult animal will not come near if a person is standing nearby. Give young animals space and only check back periodically. If you can't tell if a mother has checked on a nest, place straw or grass over the nest and return later to see if it has been disturbed.

Baby animals should not be handled. Though human scent may not cause parents to abandon their young, it can alert predators to the young animal's presence. They can carry diseases or parasites that may transfer to people. Young animals can also inflict damage by biting or scratching people trying to help.

Rescuing young wildlife is legal; keeping them is not. You can rescue truly orphaned and/or injured wild animals without a permit, but the animal must be given to a permitted wildlife rehabilitator who is trained on how to properly raise and release the species within 24 hours. A list of wildlife rehabilitators is available at <u>wildlife.IN.gov/5492.htm</u>.

You cannot obtain a wild animal possession permit for a young animal collected from the wild.

If you are interested in becoming a wildlife rehabilitator, information is at the same website, wildlife.IN.gov/5492.htm.

#### BROWN COUNTY SP MUSHROOMS AND MASH FESTIVAL IS MAY 4TH

Enjoy fried morel mushrooms while taking in live music at Brown County State Park's Mushrooms and Mash Festival on May 4 beginning at 6 p.m.

Indiana Boys and Grass Hound will provide live music at the festival, which will also include s'mores around the campfire, mushroom crafts, and other activities. Adult beverages will be for sale.

Tickets are on sale now for \$5 in advance. They will cost \$10 the day of the event. Purchase tickets at browncounty.com/store or at the Brown County State Park office or nature center. Kids 12 and under are free.

Park admission during the event is \$7 per vehicle for in-state residents and \$9 per vehicle for out-of-state residents. 2019 annual passes will also be available.

Brown County State Park <u>on.IN.gov/browncoun-</u> tysp is at 1450 S.R. 46 E in Nashville, 47448. *CONSTRUCTION TO AFFECT ROUTES TO* 

#### FOUR STATE PARK PROPERTIES BROWN COUNTY & CLIFTY FALLS SPs & HARDY & BROOKVILLE LAKES (Release Date April 5)

Four big construction projects starting this month will affect guests traveling to Brown County State Park, Clifty Falls State Park, Hardy Lake and Brookville Lake for part or all of the summer season.

The project affecting **Brown County State Park** could start as early as next week.

The most current information about alternative routes can be obtained at stateparks.IN.gov/7881.htm or by calling the respective property office, as listed below, before traveling.

The projects include:

**BROOKVILLE LAKE:** Fairfield Causeway Road will be closed from April-October, for major reconstruction. Access to Mounds State Recreation Area is still from State Road 101. Quakertown SRA can be accessed from S.R. 101 on Dunlapsville Road. At least one pier of the Fairfield Causeway bridge is expected to remain open to boat traffic during the project. **Call 765-647-2657** before visiting.

**BROWN COUNTY:** The north entrance into Brown County State Park, 2 miles east of Nashville, on State Road 46, will be closed from April 8 - May 9, while repairs are made to the park's historic Ramp Creek Covered Bridge. During the time that the bridge is under repair, park visitors must use the park's west entrance 2 miles south of Nashville on S.R. 46. Horse campers can continue to use the south entrance into the equestrian campground. **Call 812-988-6406** before visiting. NOTE: The bridge is the only surviving "double barreled" covered bridge in Indiana, and one of only six in the nation. It is also



Local Union Country teen Kanin Klein found this nice set of deer sheds near the Brookville Lake. After finding the first one he was determined to find its mate. It took him a couple more trips in the woods to finally find it but he said it was definitely worth the hike. (Jay's Midlake Bait & Tackle Photo, Brookville Lake, IN)

the oldest surviving covered bridge in Indiana. Originally built in Putnam County in 1838, it was moved to its present location, spanning the north fork of Salt Creek, by the Indiana State Highway Commission in 1932.

**CLIFTY FALLS:** Beginning in early April, State Road 256 from Austin to Hardy Lake Road will be closed for a road-widening project. This is the primary access to Clifty Falls off I-65 for guests traveling from the north. This project will continue through the summer. From I-65, guests should take the Scottsburg exit (S.R.56), and head east toward Madison, then take S.R. 56 east all the way into Madison to access the park. An alternative route is to take S.R. 56 to S.R. 203 north to reach S.R. 256, then head east to Clifty Falls State Park. **Call 812-273-8885** before visiting.

HARDY LAKE: Beginning in early April, State Road 256 from Austin to Hardy Lake Road will be closed for a road-widening project. This is the primary access to Hardy Lake off I-65 for guests traveling from the north. This project will continue through the summer. From I-65, guests should take the Scottsburg exit, and head east toward Madison, then head north on S.R. 203, crossing over S.R.256, and continue north on Hardy Lake Road to the property. Call 812-794-3800 before visiting. A map of INDOT's Next Level Roads current and future construction projects is at https://www.in.gov/indot/



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) FEDERAL	Federal	RTP .380 ACP 95 Gr FMJ	\$280/1000 RDS				
FEDERAL	Remington	Sluggers 20 Ga	\$4.00/5 Rds				
	Remington	.308 Win 150 Gr Core Lokt	\$17.00/20 RDS				
	Remington	.30-06 Win 150 Gr Core Lokt	\$18.00/20 RDS				
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Smith&Wesson*	S&W	M&P 9 4.25	\$449.99	\$379.99	Armalite	M20 5.56MM	\$599.99	\$479.99	1
	S&W	M&P15 Sport II	\$699.99	\$549.99	Rock River	RRage DS1850	\$849.99	\$699.99	
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