

# ARKANSAS DIAMOND



President Roger Alabach ... KF5SDE

ARKANSAS DIAMOND AMATEUR RADIO CLUB NEWSLETTER VOLUME NO.33 DATE: July 9 2019

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Our meeting site is the  
911 OEM office  
at the old downtown  
Morrilton Post Office

Meeting time is 6:00 PM  
Tuesday July 9, 2019  
with a gathering time of  
5:30 PM for Dinner

## **FOOD**

It's going to be  
Pulled Pork as long as  
it holds out  
or Hot dogs & Chips  
& drinks.

*There will be  
Testing Tuesday  
night after the  
meeting.*

*Special arrange-  
ments can  
be made for other  
times and other  
places.*

*No scheduled test-  
ing for next  
Saturday*

## *Local Nets*

**Morrilton Monday Night**  
**444.10 14.8 tone 7:00**

**146.625 114.8 8:00**

**Tues Perry County**  
**447.150 100 8:00**

**Faulkner County Thur**  
**146.97 114.8 7:30**

**Thursday 8pm 146.510**  
**THE A D A R C 2m**  
**SIMPLEX NET.**  
**RELAYS ARE WELCOME**

## From the desk of Roger Alabach KF5SDE

Well folks another 3 months has passed and it is almost meeting time. I am excited to tell you that we have planned a SKYPE session with Bob Heil the owner and founder of Heil Sound and host of HamNation the Internet show on <https://twit.tv/shows/ham-nation>. If you get a chance check out the Heil Sound website.....  
<https://heilsound.com/heil-amateur-radio/>

I will now fill you in on the club's activities since the last meeting. In April we had a play day during the Arkansas QSO party. We use this as a warm up for field day. As a group we did not make a lot of contacts but we discovered some flaws in one of our antennas. It paid off because the G5RV worked quite well during field day. We participated in field day on June 22 and 23rd. We had 4 stations set up and operated with the exchange "KE5FSY 4F AR". In the time we operated we made over 130 contacts. The bands were not all that good but improved as daylight diminished. One can gain some valuable experience operating on Field Day. You are there for hours and it is interesting to see how the bands go in and out as the day progresses into night and then back to day. Anyway we are not a high point getter but we have a good time.

(contd, page 3)

### **The Arkansas Diamond Radio Club (KE5FSY) of Morrilton News Letter**

**This bulletin is published 4 times a year for the promotion of HAM radio. Ham radio is for enjoyment and is the emergency back bone of communication for the communities. When all else fails we will be there, we have in the past and will be in the future.**

**Editors are KD5LBE Stewart Nelson  
AC5RM Facebook Bobby Moses  
AG5IE Webpage Eric Stricklin  
All HAM related stories are welcome.**

## From the manager of the Razorback.net (3.8975)

Do you enjoy participating in nets? Have an interest in being a net control operator? If you answered yes there is an opportunity for you!

The Razorback Net is looking for you to be a net control operator. This is a daily net that is now meeting at its regular time 6:30 PM CST (23:30 UTC).

There are several nights that net controllers are needed.

If you have an interest please send an email to the Net Manager W5WEC ([w5wec@suddenlink.net](mailto:w5wec@suddenlink.net)), or email N5LKE ([N5LKE@arrl.net](mailto:N5LKE@arrl.net)).

Thank you for your possible interest and assistance with this state/region wide net.

### ARKANSAS NETS OF INTEREST for Generals

Arkansas Razorback Net, 3987.5, 6:30 PM daily, Net Manager, Ed Alspaugh, N3QL

Arkansas Phone Net, 3987.5, 6:00 AM, Monday thru Saturday, Net Manager, Doug Robbins, W5DUG

Arkansas Mockingbird Net, 3927, 4:30 PM, Monday thru Friday, Net Manager, Jerry Palmer, W5JEP

Arkansas Razorback Emergency Training Net, 3987.5, Sunday, 7:00 AM, Net Manager, Dale Temple, W5RXU

Arkansas ARRL Section Net, 3987.5, First Monday, monthly, 7:00 PM, Net Manager, Dale Temple, W5RXU

### **Our +favorite HAM radio Internet Web Sites**

Three good ones are  
[www.ARRL.org](http://www.ARRL.org)  
[www.ARR.org/QST](http://www.ARR.org/QST)  
[www.eHam.com](http://www.eHam.com)  
[www.QRZ.com](http://www.QRZ.com)  
[www.YouTube.com](http://www.YouTube.com)

As for me personally I was able to attend the Hamfest in Claremore Oklahoma. Let me tell you folks this was a good one. They had about double the tables as Russellville and even though I did not buy a lot, I learned prices of used equipment. I also had the opportunity to get educated at their various seminars. Now Claremore is less than a 4 hour drive. They have nice hotels to stay in so you can go up on a Friday and attend the first day and the Hamfest concludes early enough on Saturday to get home by dark. Perhaps we can get a group to go next year.

“And that’s all I got to say about that.”  
Hope to see everyone at our next meeting on July 9th.

## ***Tuesday nights Program***

### **Live Program Bob Heil**



*A brief biography of Bob Heil our scheduled guest speaker.....*

Bob Heil, licensed in 1956 as KN9EID, has long been an avid experimenter and builder of VHF equipment. He was one of the first to do serious moon bounce and in 1958 became one of the first SSB stations on 6 and 2 meters. As a professional theater pipe organist, Heil learned to voice and tune massive theatre pipe organs, which taught him how to listen. In 1966 he started a retail music store and, thanks to his ham radio background and listening abilities, was

able to repair guitar amplifiers and build massive arena sound systems for some of the world’s top performers. One notable achievement in the music industry was Heil’s invention of the first high-powered ‘Talk Box’ for Joe Walsh and Peter Frampton. He was later invited by rock royalty, “The Who,” to design and build the first quadraphonic sound system for the band’s “Quadrophenia” tour. Portions of that system landed Heil Sound in the Rock & Roll Hall of Fame, the only manufacturer invited to exhibit there. Bob Heil continues to build high quality microphones for amateur radio and well as a professional musicians. You can find him on many of the ham radio frequencies each night - many times operating some of his original 1956 AM and early SSB equipment from his station lab. Heil continues to bring new technologies to the industry and is constantly designing new and exciting microphones for his beloved ham radio friends.

## **Subject: Perry County Amateur Radio Operators Net**

From: William Mooney <mooney6@me.com>

Date: Tue, July 02, 2019 12:48 pm

The Perry County Amateur Radio Operators net will be held tonight at 2000 hours local, 447.150, -, tone 100. Tune in. Bill, W5WMM, will be Net Control...maybe. Seems as if more power and higher antenna still cannot overcome my terrain issues. So, I need someone to step up at this late time to do Net Control. Otherwise, I will try to hold the repeater long enough to get through the net.

The Perry County Amateur Radio Operators Simplex net will be held tonight at 2030 hours (8:30 PM) local on our emergency backup frequency of 147.585. Thomas, W5APA will be Net Control. Relays welcome.

Please make note of this important item. In an emergency situation and the repeater is not operating, we will use the simplex frequency 147.585 as our emergency backup frequency.

If you are not on this email list and would like to be added, please send me an email and I will take care of it.

**STATE OF ARKANSAS**  
**EXECUTIVE DEPARTMENT**

**PROCLAMATION**

TO ALL TO WHOM THESE PRESENTS COME – GREETINGS:

WHEREAS: More than 8,200 citizens in the State of Arkansas, and more than 750,000 individuals nationwide, enjoy the hobby of being amateur radio operators from preteens to senior citizens; and

WHEREAS: Amateur radio operators diligently monitor radio frequencies, constantly aware of severe-weather possibilities in our State. Many are trained weather observers who assist with SKYWARN® Nets, local news outlets, and the Arkansas Department of Emergency Management, watching for and reporting tornadoes and supporting emergency responders in their local areas and in other locations, as needed and requested; and

WHEREAS: Dedicated amateur radio operators play an important volunteer role as part of the Weather Bureau, the Offices of Emergency Services, and many hospitals' emergency communications networks, and they generously provide emergency communications to city, county, state, and federal officials during times of disaster; and

WHEREAS: Amateur radio operators are vital to providing informative communications in the aftermath of ice storms, floods, tornadoes, and other disasters within our State, and are known for contributing their personal time to many worthwhile charitable causes and public service events where normal emergency communication is lost;

NOW, THEREFORE, I, ASA HUTCHINSON, Governor of the State of Arkansas, by virtue of the authority vested in me by the laws of the State of Arkansas, do hereby proclaim June 16<sup>th</sup> through June 23<sup>rd</sup>, 2019, as

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across the State, and I urge my fellow citizens to recognize the instrumental role of amateur radio operators in voluntarily protecting and saving lives in our State when severe weather and other imminent dangers threaten human safety.

IN TESTIMONY WHEREOF, I have hereunto set my hand and caused the Great Seal of the State of Arkansas to be affixed this 16<sup>th</sup> day of May, in the year of our Lord 2019.



  
Asa Hutchinson, Governor

Attest:

  
John Thurston, Secretary Of State

## Repeater Update

I was given the name of a man where we could buy a repeater. I emailed him a number of times he asked my how long I wanted the coax and even after repeated contacts I have not heard back from him. I am still going to keep trying to contact him, but I can't move forward without building a plan. The problem with digital is that it is still in it's "coming of age" form and there are at least three digital formats, one for each of the major radio manufacturers. When you ask for help you keep getting different answers from different people. When you are talking about a major investment you don't want to guess wrong.

### I need some help ..Who has done this before???

I am planning to put up a 30 foot tower because the tree I had been using is dead and has already lost a limb and when it fell it punched a hole in a wood storage shed. (Warning don't let anyone trim all of the limbs off a tree with the understanding that they will grow back because they may not.)

I'll be looking to collect as many suggestions (I may publish the suggestions) as I get in on how to put up a free standing 30 foot tower or higher that can be serviced somehow by tilting it over without having to spend the next 5 years paying for it or having my banker helping me to get it back up.

If any of you have a positive or negative experience share it with us. (oldmayor@sbcglobal.net)

In getting ready for my first try I have

## The General Test Questions

The **General Test Questions Pool** has changed. If you have been studying the old question pool you will need to go back and go over the new questions. There are not a lot of changes but don't assume that if you know all of the answers in the old pool you can take the new test and pass it. This was the ARRL statement about the new pool...

**"General class (Element 3) Pool is effective July 1, 2019 and is valid until June 30, 2023. The General class question pool contains one schematic diagram."**

## Tech Pool

**"For use on and after July 1, 2018: The Technician class question pool contains three (3) schematic diagrams. Valid until June 30, 2022."**

## Extra Pool

**"Extra class (Element 4) Question Pool is effective July 1, 2016 and is valid until June 30, 2020. The Extra class question pool contains 12 schematic diagrams."** (The count down to a change has started.)

### Are you ready for the Extra test?

What is the maximum power output permitted on the 60 meter band?

-

- A. 50 watts PEP effective radiated power relative to an isotropic radiator
- B. 50 watts PEP effective radiated power relative to a dipole
- C. 100 watts PEP effective radiated power relative to an isotropic radiator
- D. 100 watts PEP effective radiated power relative to a dipole



gotten a lot of great suggestions. If you want a free standing tower the price of the tower can vary from around \$500 to \$5,000. When you get the tower there are extras that you need to consider and of course cost of the tower itself is the first factor. Second, are you going to put up a fancy Yagi on the top that will create a need for a tower with a high wind load or is it just going to be the place to hang one end of a dipole. If you figure out what you can afford, get the next stronger tower. You will need to have a pretty substantial base for any tower. A three square foot concrete base (one square yard) will weigh around 4000 pounds and you need to check and see if the cement company will deliver one square yard and cement is not cheap. The size of the base is going to vary depending on the kind of tower you decide to get. Be sure that you use the manufactures directions, don't cut back on anything. If it is available a hinged base is a good idea. A friend in Conway made his base hinge but hinged bases may be available which will allow you to tilt over the tower.

The next question is how are you going to pull it up? He put a line over a 20 foot ladder and used the ladder as a fulcrum as though he was pulling it up from the air above the tower.

I'm sure you may have additional suggestions so send them to me, but be absolutely certain that if it should fall in any direction the it would not be able to hit any power lines or do any damage to anyone else's person or property.

## Arkansas Diamond Club Members

AA3AT ANITA TIENKEN  
AA9BT LOUIS TIENKEN  
AC5RM BOBBY MOSES  
AC5RT JIM WIEDOWER  
AF5EI JIM TAYLOR  
AG5IE ERIC STRICKLIN  
K5PMO ANDREW HRADESKY  
K5PRM RICH MOODY  
K5SEC DON DACUS  
K5ZZB ROBERT LANNING  
K8BCC WILLIAM COLLINS II  
KB5DQM JIM CARTER  
KB5TJW DALE BETTIS  
KD5LBE STEWART NELSON  
KD5YZD JIMMY WIEDOWER  
KE5UAN JEFFREY RIDLING  
KE5YP5 CLYDE ARMSTRONG  
KF5DIF STEVE BEAVERS  
KF5EST HUGH DONNELL  
KF5IIZ BRUCE CURTIS  
KF5ITM KIRK ROSE  
KF5MAD RACHEL BEAVERS  
KF5SBG SHELLY TIENKEN  
KF5SDD ANN OFFIELD  
KF5SDE ROGER ALABACH  
KF5UDD MIKE KAROLCZAK  
KG5AUV CHARLES DRINKWATER  
KG5DAD SHARON CLARKSON  
KG5EWI JEREMY LANDON  
KG5J AL GARRETT  
KG5ZRH THOMAS MAUPIN  
KG5ZZW BEN EDWARDS  
N5EH CHATLES TUDOR  
N5JKL JERMY LANDON  
W2SUL ADAM SULLIVAN  
W5PMO MELANIE HRESKY  
W5WMM BILL MOONEY  
W5WRB WALT BARFIELD  
WB5RUH DAVID HUETT  
WB5RZR JAMES RIDLING  
WD5DJW THOMAS WOZENCRAFT