



ADXA Minutes



PROMOTING DX AND DXING THROUGHOUT ARKANSAS

ADXA Officers (2023)

President:
Joel Harrison W5ZN

Vice President:
Pat Patterson W5VY

Secretary-Treasurer:
Glenn Wolf N5RN

Director:
Roger Gray, N5QS

Director:
Jay Bromley, W5JAY

ADXA Quarterly

The second quarter ADXA meeting was held on June 21, 2025, as a Zoom meeting beginning at 11:00 AM.

President Joel Harrison, W5ZN, commented how convenient the Zoom meeting are and how much drive time they save.

W5ZN made a motion that the previous meeting minutes be accepted as printed in the newsletter. There being no questions and no opposition the minutes were accepted.

N5RN gave the Treasurer's report. There were no questions about Treasurer's report. W5ZN motioned that the Treasurer's report be accepted. There being no questions or opposition, the report was accepted.

W5ZN mention there are a lot of DXpedition coming up over the next few months.

Old Business:

The question about ADXA support for ZS8W was brought up for discussion. W5ZN indicated that he had received some comment from several members about support of this DXpedition. The overwhelming consensus was not to support it. Kathy (WQ5T) made a motion that ADXA not support this effort. Steve (W4DTA) seconded. The motion carried.

New Business: As a point of information, LOTW will be down from June 27 to July 2 for upgrades. It is possible that it could return to service before July 2.

There was an issued with the ADXA form on the ADXA website. It required the ex-

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Items of Interest

[ADXA Quarterly Meeting](#) - Saturday September 20 2025 - 1:00 PM to ~2:30 PM

Where:

Zoom meeting (see page 14 for more details on connecting)

Meeting Minutes (continued)

peritise of Scott, KA9FOX, to resolve the problem. It was suggested that we compensate Scott for his efforts and quick response. W5DTA made a motion that we make to donation to Scott in recognition of his outstanding support. K5YY seconded the motion. The motion carried.

N5QS mention that the link in the ADXA newsletter did not work. He suggested using the real links instead of the hyperlink. Others confirmed the issue. N5RN will look to see if the link problem can be resolved if not, the full URL address will be presented in future newsletters.

WB5BHS introduced Pat, W5VY, as our presenter. W5VY gave a presentation on Signal Intelligence in he the Cold War. The presentation was very good and very interesting.

We had a total of 25 participants in today's meeting.
It adjourned at 12:50 PM

Attending today's meeting:

Members: W5ZN, W5VY, N5QS, N5QT, AA6KJ, K1LEC, K5CS, W5VYH, N5RN, N4JQQ, WB5BHS, K5UR, W5RZ, KG5KS, K5EJ, K5YY, W5SJ, K5DB, W5JAY, W5KI, K5YCM, KM5G, W5ZJ, K5VR, N5QZ, W4DTA, WQ5T

Silent Keys

It is With Sadness ADXA Records the Following Silent Keys Who Were Prominent Members

AF5M Paul Wynne
K5CKS Rory Bowers
K5OVC Lenny Mendel
KB5DN Melvin Belknap
KB5RF Harold Wilson
N5WJ Jerry Stroud
W5BPT Frank Kollatt
W5GO Ollie Gade
W5HTY Martin Hankins
W5MQ Bennie Tomlinson

From the President

From the President

Joel, W5ZN

Greetings ADXA Folks,

The 2025-26 fall/winter DX and contest season is about to begin. Are you ready?? I realize we have had brutal temperatures this summer but that is normal, we always do. If you didn't want to torture yourself outside there was plenty to do inside, in the cool AC, like making improvements in the shack or working on that list of things to do outside once the heat breaks. The past couple of weeks have been nice outside.

Eight major DXpeditions have already been announced and more will mostly likely occur. If you're not ready well.....YOU'RE NOT READY!!! The train doors are closing and it is about to leave the station.

The ADXA Most Needed List is now two and a half years old. The last update was March 11, 2023. I have pleaded with you to send an update. I know many of you....MANY of you, have worked all time new ones since then so you need to send an update. Why is this important? When ADXA receives a request to fund a DXpedition the very first thing we do is see where the DX entity is on the ADXA need list. We don't care where it is listed on Club Log's most needed, or what the DXpedition claims. We want to know what is important to the ADXA folks. It's your money and we want to use wise judgement in determining who we fund. So please, PLEASE, send an update of your most needed. The process should not take you more than 5 minutes to complete and send in, even if you're new to DX'ing and need many entities.

Our 3rd Quarterly Meeting will be virtual, via Zoom, on September 20 at 1:00 PM. Program Director John, WB5BHS, will have a program lined up. I will be traveling back from the lab in Richland, WA that day and unable to attend however ADXA VP Pat, W5VY, will ramrod the show.

Our annual conference is scheduled for November 8 in Springdale. Details are forthcoming.

Now, "GET IN THERE.....!"

73 Joel W5ZN

ADXA President

Member Profile

Member Profile—John Reynolds

KI5UCZ

Where did my career in amateur radio begin? That depends on who you ask and when. My dad, N4OPE, earned his license in the summer of 1986—just before I was born—and I think he imagined we would grow up sharing the hobby. As a kid I was a bit too stubborn to join him, but the idea lingered.

Fast forward to the years after the worldwide pandemic. My parents live in Montgomery, AL, while I reside 340 miles away. COVID-19 limited travel and even basic supplies for months, making me wonder how quickly formal communication lines could be disrupted. I decided to fortify my ability to stay in touch with family, even if I had to rely solely on my own equipment.

I hit the books hard. I passed the Technician exam on 12 Mar 2022, upgraded to General on 26 Mar 2022, and earned my Extra ticket on 2 Jul 2022. After “regurgitating” most of the test material, I set out to learn by doing. I quickly established contact with my dad’s N4OPE station, confirming that my independent setup worked.

That success opened my eyes to the vast world of amateur radio achievements. I dove into Working All States, then tackled DXCC. I wasn’t sure the ink on my last DXCC entry to LoTW had dried before I applied for ADXA membership on 8 Jun 2023—a little over a year after my first license. I haven’t looked back since.

The next hurdle was CW. My grandfather had tried to lure me into Morse code when I was very young, but my stubbornness kept me from then accepting the challenge. In February 2025 I reached out to several ADXA friends to formulate a plan to tame the “monster.” Their encouragement kept me motivated through the summer, and in late August I finally made my first CW contact! As many of you can attest, that first CW contact doesn’t instantly make you a CW operator, but it is undeniable progress.

I’m still working with a radio decoder, but each new contact makes the standard protocol feel more natural. My goal is to develop true head copy ability with continued practice. Thank you to everyone who has helped and encouraged me along the way.

**73,
KI5UCZ**

Remote Possibilities

Joel Harrison, W5ZN

The most talked about topic within the DX and contest communities, other than FT8, is remote operation, i.e. being able to access and operate a station located in a different area than the operator.

It is well known I have been very critical of remote operation in DX'ing, specifically those DX'ers who use a remote station located in a different area, or DX country, to gain a propagation advantage to work a DX station. Unfortunately, in the DXCC arena, rules violations occur without repercussion or enforcement of the rules. For whatever reason ARRL will not take action to enforce the rules and disqualify violators in several situations that have been very well documented and presented to them. That is the part I detest and do not agree with.

Contesters take a different approach and do a commendable job of enforcing their rules and the contest administrators take action against those who break the rules.

The ability to access a remote station is very attractive for a number of reasons. It allows someone who is unable to build a station at their residence to establish a station in an area where it can be accessed remotely, or to access a remote station established as a commercial business for a fee. It has provided significant benefits to multi-op contest stations to assemble top level operators without having to spend time traveling several hours to the station that results in greater time away from home or work.

As several of you know I traveled extensively in my professional career and not having access to my home station while I was away is the reason I am lacking only one DXCC entity for #1 Honor Roll – P5 North Korea!

My Prior Remote Experience

Years ago, I would travel to north Florida to be a team member with the N2CEI/K0DI multi-op crew for the ARRL 160-meter contest. Dave, DI, had set up the station for remote access so when I was unable to be there in person about 10 years ago, they set remote access up for me. It was somewhat awkward as the use of RemoteRig units was required to establish a connection between two radios and it was quite complicated, at least for me. I ditched the effort the following year and never participated remotely again.

In May this year, when Yuris activated ZS8W, I needed it on 160 meters. Yuris had announced he would be on 160 meters one night only on FT8 and I was primed and ready. But then he announced it would be on May 5, my grandson's 16th birthday and plans had been made for a celebration dinner in Little Rock! I was distraught and scheming on what to do. Should I fake an illness? You know rough up my hair, hold a fever thermometer against a hot light bulb and tell Kim I have fever? Of course, I knew she wouldn't buy that so I was whining and lamenting on the phone one day with K5EJ and he said why don't you remote back to your station that night? I had no clue what to do so EJ introduced me to Remote PC software that he uses to access his home computer and station when he is at his office at the hospital. EJ gave me an orientation on how to set it up. The only draw back is I would need to have all of the equipment turned on and ready before I leave. After a "dry run" things look good so I came clean with Kim, told her the situation which she understood because I had made the world stop for other "new ones" on 160 meters in the past. I told her I wanted to take my iPad with me and keep an eye on things while we're out for dinner with our son and grandkids. She agreed since it wouldn't disrupt the evening. I did tell her she would have to drive as my driving while remote accessing my station wouldn't be safe!! Things went well but Yuris never showed on 160 that night.

Just after this Bob, ZL1RS, traveled to YJ-Vanatu for a 6-meter EME DXpedition. I was all geared up to add YJ to my 50 MHz total when Bob blew up his amplifier in a rather stupid move (his words!) and was unable to operate. He said "never fear, I've already booked a return on October 1 through 10".....the EXACT days I am schedule to be out of the country. Thoughts of my missing P5 flashed through my head, I threw a hissy fit but it is what it is.

A few months ago Stan, K5GO, and I began discussing receive antenna options at his ZF5T contest station on Cayman Brac. The first obvious question I asked was about noise floor levels so Stan recommended I listen for myself by accessing the ZF5T radio remotely. He used a different arrangement than I was previously aware of, and I also needed to listen to speaker audio, something I didn't need to do on FT8 with my setup for Yuris. Stan hooked me up with "Mr. Remote", Gerry, W1VE, to give me an orientation.

Remote Possibilities (Continued)

Joel Harrison, W5ZN

Things had definitely changed in the years since I used the RemoteRig components to access N2CEI. Gerry introduced me to AnyDesk and Mumble, and in 15 minutes I was connected to ZF5T, recording noise floor readings and taking notes on other noise sources.

Sitting in my recliner a week or so later, and walking back and forth from the recliner to the shack to keep an eye on the potential appearance of a DX station, I began to wonder why in the heck am I doing this? I could be keeping an eye on things FROM THE RECLINER and then the possibility of operating my station remotely to work YJ0RS in Vanatu while I'm away flashed through my head!

From that point on I became obsessed with establishing my station for remote access. After a couple of months of design, acquiring system components, and installing everything I can now fully operate my station with remote power up, turning different radios or controls off and on, switching antennas, rotating antennas, and controlling every aspect of the station.

As I noted earlier, there are now several different ways to access your station, or another station, remotely. It varies depending on the radio you are using and what application you prefer to use to access the computer at the remote station. There are ADXA members who have far more remote experience than I do, most prominently Kevin, N5DX.

I plan to have a full presentation during our annual conference on the specifics of my design and installation but for now I'll hit some of the major topics that must be considered to establish a remote station.

Remote Power Control

I do not want to leave my radios and equipment turned on all the time, especially if I need to be away for an entire week or so. Digital Loggers, Inc. (DLI) is the recognized leader in remote power applications so I acquired a DLI WebPower Switch Pro. This device can be accessed over the internet and has eight 120v outlets that can be individually turned on or off remotely. See Figure 1 for a photo of my main control panel.

Internet Access

Obviously, you need internet access at the remote location. I have two internet service providers. One is a Brightspeed service that is fiber based on the highway ¼ mile away but is delivered by copper down my road. It's a 40Mb down, 3 Mb up service at the house. It works fine, except when there is a power failure. I have a Generac whole house generator so when the power goes out, we're all nice and comfy except we have no internet or TV (or DX cluster spots!) because the Brightspeed system does not have backup power.

The second system is a wireless 5 GHz commercial link that provides 25 Mb down and 10 Mb up service and does have backup power. So why do I have two providers? In my professional career in the nuclear power industry the old-time proven saying is "one is none!" See Figure 2 for the internet panel.

You do not need super fast high-speed internet service for remote operation. The important system parameter is latency. Both of my ISP's provide more than adequate service for remote operation.

Rotor & Antenna Switching Control

Those of you who have visited my station know I use Green Heron RT-21 rotor controllers for all of my rotors. There is an extremely high degree of operator efficiency in using the same type rotor control for any type of rotor. I have Yaesu, Orion, TIC Ring M2 elevation, and SubLunar Systems AZ-EL rotors all controlled by RT-21's. Another great feature of the RT-21 is a USB port that can be connected to the station computer and the rotor controlled with Green Heron's GH Everywhere software (free download!). All of my rotors were already setup for computer control.

Station visitors also know I have an extensive array of manual switch controls for my low band receive antennas, selecting the various combinations of my three Yagi stack for 20-15-10, and the two 40-meter Yagi's. I concluded that designing and assembling a system to perform all of these functions, controlled from a computer in a remote setup, would be the most challenging to design and assemble. Some of that switching is simple, some is complex however after a brief bit of research I discovered it is all easily handled by Green Heron's GH Everywhere Wireless Base and GH Everywhere Wireless Remote units that are easily configured in the GH Server software (free download!)

Remote Possibilities (Continued)

Joel Harrison, W5ZN

This arrangement provides any combination of relay sequence switching. The units were configured and installed into the system in one evening.

Figure 3 shows the GH Everywhere Base and the GH Everywhere Wireless Remote units installed in the shack. Two GH Everywhere Remote units are located outside at the HiZ-8 160 meter array and the YCCC-9 array.

Lightning Protection

This may be the most debatable topic for a remote installation. I have gone to major lengths to install as much lightning and surge protection as possible, in some cases double protection but let's face it, sooner or later you're going to get zapped but going to the extreme with surge protection could limit the damage.

Ahead of the DLI WebPower Swith Pro (which has surge protection) I have a high-end Tripp-Lite surge protector. I have knots tied in the power cords (I'm superstitious). I have been zapped by surges coming in on the DSL phone line more that the power lines, so I have a surge protector on the DSL phone line. Coming out of the DSL modem I convert to fiber to run into the shack. Once converted back to ethernet, each line goes through an ethernet surge protector and isolator. The shack computers are connected to my in-home wireless LAN system but the K4D, PGXL, and WebPower Switch are ethernet connected. The shack computers are all on surge protectors and the USB lines all have surge protectors.

Is this overkill? Maybe! Am I paranoid? Yes!

Antenna RF Lines

The coaxial cable from the antennas is routed through Industrial Communication Engineers, Ltd (ICE - now Morgan Systems) surge protectors. While there are several versions of RF surge protectors, I prefer this design and have used them for many years with excellent success. These include a toroid inductor that provides a DC path to ground for the center conductor that is invisible to RF. This is important because a lot of my antennas (most designs today) are not DC grounded and static build up can cause quite a zap at the receiver end! Figure 4 shows the RF panel.

Summary

As I noted there are many different approaches to establishing a remote station. Mine is but one of many although the major topical areas I reference above are the important factors to consider.

I am on the campus of the Pacific Northwest National Lab this week, where I do professional work these days (about 95% working remote from Arkansas!) so this will be my first opportunity to test remote access of my station away from home.

I prepared this article while flying out to the pacific northwest last night and this morning (Saturday) I'm in my hotel room, drinking coffee, watching College Game Day, and listening to CW on 20 meters – just like home!! Figure 5 shows screen shots of my notebook computer's access of my station back in Arkansas.

So, if P5 comes on the air, I'll be able to "GET IN THERE!!!"

Remote Possibilities (Continued)

Joel Harrison, W5ZN



Figure 1 – Power Control & Internet Panel

In the photo above, the Tripp-Lite surge protector is in the upper left and DLI WebPower Switch Pro in the upper right. The media converter to convert fiber back to ethernet is on the middle right and the ethernet switch, isolators, and surge protectors mounted in the middle. The ethernet lines connect to an Elecraft K4D, PGXL, and the WebPower Switch. This panel allows remote power up on all radio equipment, Green Heron RT-21 rotor controls, and Green Heron GH Everywhere switching controls.

Remote Possibilities (Continued)

Joel Harrison, W5ZN



Figure 3 – Green Heron GH Everware Wireless Base & Wireless Remotes

Remote Possibilities (Continued)

Joel Harrison, W5ZN



Figure 4 – RF Surge Panel

RF cables are routed through the ICE surge protectors. This is a normal installation and not specific to remote operation, but is one of the major topics that must be considered when designing a station for remote access.

Remote Possibilities (Continued)

Joel Harrison, W5ZN

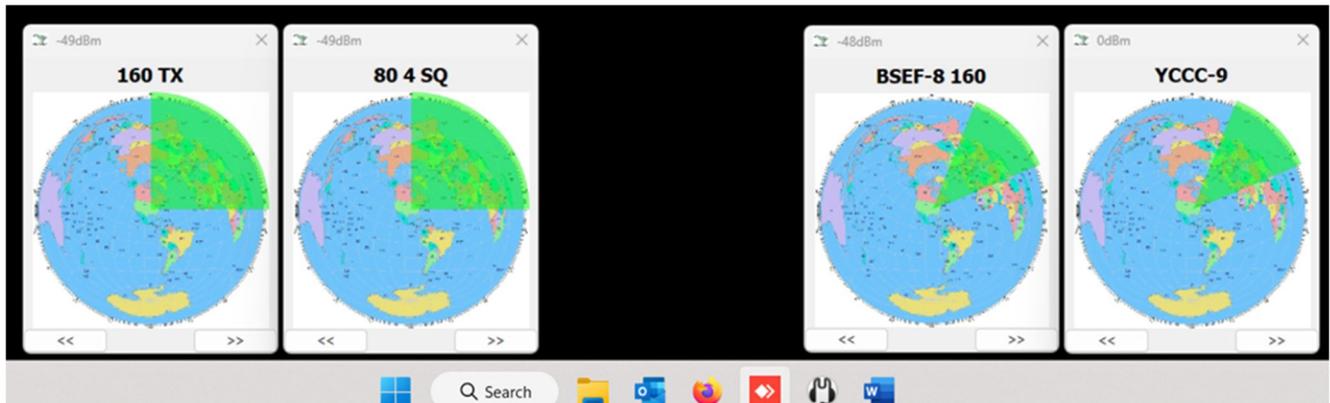
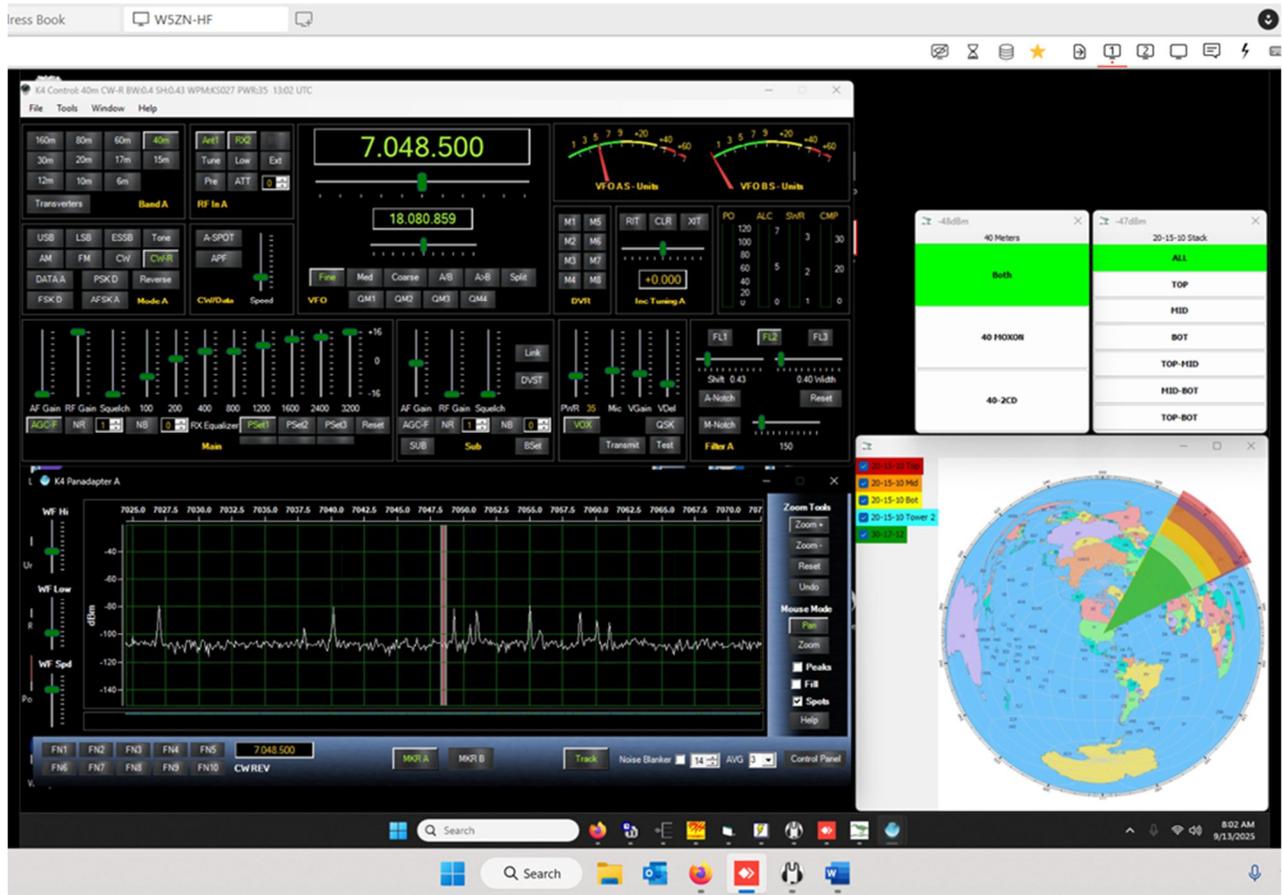


Figure 5 – Screen shots from my notebook computer showing remote control of the station

Card Checking

Card Checking

- ◆ If you have cards that you need checked contact

Earl Smith, N5ZM

Jay Bromley, W5JAY

Roger Gray, N5QS

- ◆ They will talk to you about how to best handle getting the cards to them to be checked.
- ◆ Also Earl is a CQ DX Awards Checkpoint if you need cards checked for their awards.

ADXA DX Hog Award



2025 DX Hog
Debbie McKenzie, KI5QQG

Previous Winners

John, WB5BHS
Kathy, W5QT
Lanny, K1LEC
Dennis, W5DM
Dennis, W5RZ
Earl, N5ZM

Next ADXA Club Meeting—September 20, 2025

The next ADXA Quarterly meeting is:

Saturday September 20 , 2025 – 1:00 PM to ~2:30 PM

Zoom link will open up around 12:30 PM

Link:

<https://us06web.zoom.us/j/89206360431?pwd=fWuZqanLs3vAJOuWd2XvxtvtErNNZy.1>

Meeting ID: 892 0636 0431

Passcode: 940439

One tap mobile:

+13126266799,,89206360431#,,,,*940439# US (Chicago)

+16469313860,,89206360431#,,,,*940439# US

Join instructions:

<https://us06web.zoom.us/meetings/89206360431/invitations?signature=-710a4ezX4X7E4aNx4tRIXgEGW-aA2AkoBSTs0EuZpg>

ARKANSAS DX ASSOCIATION

MEMBERSHIP/RENEWAL APPLICATION

BUSINESS NAME

President: Joel Harrison, W5ZN
Vice President: Pat Patterson, W5VY
Secretary/Treasurer: Glenn Wolf, N5RN

Club Mailing Address:

E Glenn Wolf Jr
210 S Estates Cove
White Hall, AR 71602



We're on the web

www.adxa.org

CALL: _____

LICENSE CLASS: _____

APPLICATION: NEW RENEWAL

NAME: _____

PHONE: () _____

ADDRESS: _____

CITY: _____

STATE: _____

ZIP: _____

EMAIL: _____

DXCC MEMBER? _____

ARRL MEMBERSHIP EXPIRES: _____

SPONSOR'S CALL _____

ARRL MEMBERSHIP REQUIRED

(ADXA IS A 100% ARRL AFFILIATED CLUB)

VOTING MEMBERS MUST HOLD DXCC

VALID INTEREST IN DX REQUIRED FOR ASSOCIATE (NON-VOTING) MEMBERSHIP

YEARLY DUES **\$25.00**, Family membership **\$35.00**

Dues can also be accepted via PayPal:

Using your PayPal account send your dues payment to

n5rn@adxa.org

Make sure you select the personal tab and identify this payment as a gift or there will be a surcharge.

MAIL APPLICATION TO:

E Glenn Wolf, Jr., N5RN
210 S Estates CV
White Hall, AR 71602 -8216