



WEEKLY 2-METER NETS

All nets listed are 8:00 PM local time

Monday: W5YM University WeatherNet (147.135+, no pl)

Tuesday: Washington County ARES Net (146.955+, 110.9)

Wednesday: ARCUA Traffic Net (147.135+, no pl)

Thursday: ARKAN Traffic and Talk Net (146.955+, 110.9)

**Check in and
participate in
local nets --
keep amateur
radio active on
the repeaters**

**SERVING
THE
AMATEUR
SERVICE**

Newsletter of the Amateur Radio Klub of the Arkansas Northwest

May 2002

Antenna Construction

ARKAN MEETING

May 27, 2002

AGENDA

Call meeting to order
Acknowledge and welcome visitors
Reading of the minutes
Treasurer's report

Old Business

Articles of Incorporation
Bylaws revisions

New Business

Official election of officers
Field Day
ARKAN Work Days at AAM
AIRFEST Volunteers
Special Event Station for AIRFEST
Upcoming events

Program

Antenna Construction
by N5YOR

Meeting Adjournment

NEXT MEETING

Friday, June 24

Even though you might be pooped from Field Day, you do not want to miss the program at the June meeting of ARKAN. Quite literally world-renowned QRP expert Jay Bromley, W5JAY, will present a program on the world of low-power operation. Jay's fascinating work in QRP can provide loads of information to anyone interested in amateur radio. Don't miss it.

ARKAN meets at the Arkansas Air Museum at Fayetteville Municipal Field each fourth Monday of the month at 7 p.m.

The May program for ARKAN is presented by its president, Norwin Harral (N5YOR). Covering the basics of practical antennas for home stations, Harral also plans to bring examples of his small two-meter beams constructed for recent fox hunts conducted by ARKAN and other ham groups in the area.

Simple solutions are the focus. No better example of this than Harral's PVC pipe fox hunt beams, complete with tape measure elements.

Your next antenna may already be lurking in your junk box or spare parts bin. Harral built the club's fox from items he discovered on his shelves -- right down to its voice identification message and the very elaborate [NOT] timing system.

As the club members get ready for Field Day and ARKAN's participation in AIRFEST with a special event station, construction methods for simple, quick to assemble and mount wire antennas for HF operations will also be discussed.

Landmark bill before Congress

Speaking of antenna projects, just as the ARKAN newsletter goes to the copier, ARRL reports on the introduction of HR 4720, the "Amateur Radio Emergency Communications Consistency Act." This bill, initiated by Rep. Steve Isreal (NY-D) would require private land use regulators to "reasonably accommodate" Amateur Radio antennas consistent with the limited federal preemption known as PRB-1. While it is not the policy of ARKAN to become involved in politics, this is one area that affects every amateur operator. FYI -- Arkansas is not one of the states which has adopted PRB-1 protection for amateur antennas. It was thrashed in committee during the last session by the municipal lobby.

ARKAN on the web at: www.arkan.us

PUBLIC SERVICE EVENTS CALENDAR

The following organizations have asked for amateur radio operators to support their events. Please contact the persons listed. There are more events anticipated for this coming year.

JUNE

AIRFEST June 14-16
This is the annual AIRFEST hosted by the Arkansas Air Museum at Fayetteville's Drake Field. Communications support between remote locations along flight line and assist with crowd control. Coordinate with CAP volunteers. Event is 9 a.m. to 4:30 p.m. on June 15 - 16. Afternoon of June 14 is setup and orientation.

CONTACT: Bill Smith, K1ARK
501-575-3618
bismith@uark.edu

OCTOBER

AutumnFest Parade TBA
Organizers of the event have contacted Washington County EC for communications support for parade.

CONTACT: Bill Smith, K1ARK
501-575-3618
bismith@uark.edu

DECEMBER

First Night Dec. 31
Volunteer for two hours and receive admission to events for evening. Event may not continue due to local funding problems with the First Night organization.

CONTACT: Norwin Harral
nharral@sbcglobal.net

CONTRIBUTE TO THE NEWSLETTER

Do you have a great hint on how to operate? Do you have a new wrinkle on how to build an antenna? Did you discover something exciting in amateur radio that you want to share with others?

Your input and additions are welcome. Please email your articles and other information to the newsletter editor, Bill Smith, one week prior to the club meeting. If you are sending images, make sure they are attached as JPEGs with 300 dpi.

May Meeting Notes

What do you mean elections?

Now that our formal incorporation has been filed with the State of Arkansas, the club needs to formally elect the officers and board members proscribed in the club bylaws.

Work Day at Arkansas Air Museum

One of the items of new business for this month's meeting are a pair of work days for members at the AAM. We're coordinating workers on either Saturday, June 8, or Sunday, June 9. The primary task is animating the Flight Service Station with sound, lights as possible.

This is our primary service to the AAM for the year, and it is important that we complete this task prior to AIRFEST. At the same time, there will be the chance for those with a little working knowledge of electronics and aircraft to help out the AAM as it tries to get the C-47 nose assembled for kids to have a chance to play with it at AIRFEST.

Antennas for special event station; future events

Right up there with the FSS is choosing a proper wire antenna and installing it for easy hookup at AIRFEST and in the future. While a permanent installation that could be used in conjunction with a future permanent station is great, we need to focus on something that will provide an effective HF installation and efficient place for net control for AIRFEST volunteers.

Recruiting booth

One great advantage of the special event station is the chance to recruit new members to the club and new persons into the hobby. We can use some of the empty display cases at the AAM to set up a display on amateur radio.

Don't miss next month's meeting

The program for June is special as ARKAN hosts its first visit from an outside speaker. Jay Bromley is one of the top QRP operators around, and his presentation is guaranteed to be interesting. Bring a friend.

On the agenda . . .

Suggestions for programs for the fall meeting dates -- September, October and November -- need to be forwarded to our club vice-president, Kevin Thornton (K5KVN). On the short list of ideas are a visit from our section manager, Bob Ideker; programs on PSK31; fox hunting hints and kinks; and whatever you can think of that would be interesting. Since the club meets after Christmas in December, a potential "What Santa Brought Me" social to show off holiday goodies is one idea.

Projects for the future

Many members would like to have some special events in the fall, notably participation in the JOTA -- Boy Scouts Jamboree of the Air. The club needs a volunteer to spearhead contact with the Scouts.

Teaching opportunities

Mentoring a new generation of amateur radio operators is vital to our hobby. There are technician classes available in Rogers on a periodic basis. However, the club has an opportunity to work with some children whose parents are associated with the University of Arkansas as students or graduate students. Gerry White, KH7YS, has made the contact, but we need some folks who can step forward and help him with some technician classes for these kids.

ARRL Emergency Communications course; testing

A new ARRL Level I classroom course will start in July. Bill Smith, K1ARK, plans a six session course -- two hours each class -- to start just after the Fourth. He's flexible on whether the class meets once a week or twice a week, and will wait until the potential students sign up to see what dates and times work best. The class will be taught at Barnhill Arena.

**AREA 2 METER NETS
MONDAY**

W5YM Unviersity WeatherNet
 Net Control: Bill Smith, K1ARK
 Weather spotter group for Washington
 County, Arkansas; Information for
 emergency communications.
 FREQ: 147.135 + (no tone)
 TIME: 8:00 PM local

TUESDAY

Washington County ARES
 Net Control: Rotational
 Weekly instruction and meeting for
 members of Washington County ARES
 FREQ: 146.955 + (pl 110.9)
 TIME: 8:00 PM local

WEDNESDAY

W5YM Traffic Net
 Net Control: Kevin Thornton, K5KVN
 Weekly meeting for members of Amateur
 Radio Club of the University of Arkansas.
 Open to all licensed amateur operators
 FREQ: 147.135 + (no tone)
 TIME: 8:00 PM local

THURSDAY

ARKAN On the Air
 Net Control: Norwin Harrel, N5YOR
 Weekly meeting for ARKAN and traffic
 handling.
 FREQ: 146.955 + (pl 110.9)
 TIME: 8:00 PM local

OTHER AREA NETS

Benton County Radio Operators
 FREQ: 145.290 - (pl 110.9)
 TIME: 7:00 p.m. Thursdays

TARC Triple T Net -- TARC System
 FREQ: Your nearby TARC linked repeater
 TIME: 9:00 p.m. Thursdays

Arkansas ARES Net
 Net Control: Dale Temple, W5RXU
 Weekly training net for ARES/RACES
 personnel. Anyone interested in emergency
 communications with HF privileges is
 encouraged to check in. Persons without
 HF are encouraged to monitor. Presentation
 from Sunday morning is repeated Monday
 evening.
 FREQ: 3.9875
 TIMES: Sunday morning, 7:00 local
 Monday evening, 7:00 local
 (following close of Razorback Net)

7 DAYS A WEEK

Razorback Phone Net
 FREQ: 3.9875
 TIME: 6:30 p.m. local

Ozark CW Net
 FREQ: 3.592
 TIME: 7:00 p.m. local

From the ARKAN President's Desk

Norwin Harral N5YOR

The intention of this article is to let the club know a little something about me. Some of you may have read a variation of this article in a previous publication, but if you haven't please let me take a small amount of this newsletter to let you get know me better.

I am a senior electrical design engineer currently employed by Ozark Aircraft Systems (OAS) at the Northwest Arkansas Regional Airport. I have been in the field of electronics for over 26 years working for Collins Radio, which was purchased by Rockwell, and then again purchased by Boeing (I have always said you could tell you were in the electronics field when you kept changing companies that you but always had the same desk). I moved to the Fayetteville area nearly three years ago, with my family, when I left Boeing Aircraft in Shreveport, LA. While working at Rockwell/Collins I had the pleasure of work on the Collins S-Line and KVM-2A ham radios as a production line technician. I also hold a FCC General Radiotelephone Operator License, which has let me operate some of the radio stations owned by Rockwell/Collins over the years. This also gave me the opportunity to meet several local ham radio operators over the years while repairing their equipment as a side business venture. This is where I became interested in ham radio, although it took me another 18 years to take the time to get my license. While working for Boeing, I worked on several different types of aircraft designing, installing and testing radio communication systems in the VLF to EHF frequency ranges with power outputs from 10 to 250K watts. My current job duties at OAS range from designing, integrating and testing communication and passenger cabin control systems, in addition to verifying junior engineers designs.

And here is a little tidbit off the subject of radios, on May 15th at 0127 GMT, I became the **GRANDFATHER** of a 10 pound, 22 inch long bouncing baby boy named Shalor Braxton Simms. May be in a few more years we will have a new Ham operator amongst us.

I hope everyone enjoyed the April meeting and the tour of the Arkansas Air Museum that Bill, K1ARK, presented. Thank you Bill for the tour.

Gerry White KH7YS is currently setting up the internet web site and is looking for suggestions as to what the members want to see in this web site. Please make suggests to the club because this web site will represent what the club is and who we are as a club. The website address is currently: <http://www.zinfoserv.com/arkan/index.html>, please check it out, Gerry has put a lot into this project.

That is all for this month and hope to see you at the May meeting on the 27th. I will try to do my best at explaining antenna systems for May's club meeting program.

Norwin Harral
 N5YOR

CONTACTING YOUR BOARD MEMBERS

Norwin Harral, N5YOR	President	nharral@sbcglobal.net	
Kevin Thornton, K5KVN	Vice President	kthornto@hotmail.com	
Karen Harral, KB5ZRG	Treasurer	kharral@sbcglobal.com	
Bill Smith, K1ARK	Secretary	bismith@uark.edu	
President	Vice-President	Treasurer	Secretary/Newsletter
Norwin Harral	Kevin Thornton	Karen Harral	Bill Smith
N5YOR	K5KVN	KB5ZRG	K1ARK
945 N. Applebury Drive	2633 Springbrook Ave.	945 N. Applebury Drive	2164 Magnolia Drive
Fayetteville, AR 72701	Springdale, AR 72764	Fayetteville, AR 72701	Fayetteville, AR 72703
H-479-527-9458	H-479-751-6706	H-479-527-9458	H-479-443-9450
W-479-205-2073	W-479-442-0102	W-n/a	W-479-575-3618
nharral@sbcglobal.com	kthornto@hotmail.com	kharral@sbcglobal.com	K1ARK@arrl.net

YOUR ARRL EC REGION OFFICIALS

District L DEC

Bill Smith, K1ARK
K1ARK@arrl.net

Washington County EC

Bill Smith, K1ARK
K1ARK@arrl.net

Washington County Assistant ECs

Kevin Thornton, K5KVN
kthornto@hotmail.com
Overall operations

Randy DuCharme, AD5GB
AD5GB@arrl.net
Digital coordinator

Bryan Spain, WB5YIW
WB5YIW@arrl.net
Liason to Wash. County SAR

Benton County EC

Scott Ratchford, W5JSR
W5JSR@arrl.net



UPDATE YOUR INFO

A quick note to all Washington County ARES members: Please update your database info as soon as possible. Folks move, change jobs, change phone numbers (in particular cell phone numbers), upgrade licenses or equipment and we need to know. If you have had a change since you filled out your ARES form, please contact one of the members of our county ARES leadership team.

The Weather Report

W5YM University WeatherNet info from Bill Smith, K1ARK

April was a very busy month for the local weather spotter group, and the storms were rough, too. Yes, the receive issues with the primary repeater -- ARCUA's 147.135 -- remain a problem, particularly for operations in the north reaches of Washington County. Three times during active nets over the past few weeks, the net has QSY'd to the secondary repeater -- the N5SRA 146.955 unit.

Weekly training will continue on the W5YM unit on Mondays, but active net operations will likely continue on 146.955. Why not move everything to 146.955? There are several reasons. The primary reason is the net is in SKYWARN terms a "subnet," one closely focused on a small area which is Washington County. The 146.955 unit is a wide area repeater which has coverage to several counties. Bigger is better right? Not necessarily.

Traffic that passes on the subnets of SKYWARN do not need to clutter wide areas. That is why net control serves as the relay to Tulsa. Few of the spotters go direct to Tulsa NWS, working with some regional net control station. In our area, Siloam Springs, Rogers and Fort Smith are relay points along with W5YM.

See the map; be the map

Turn Ty's advice to Danny Noonan to your advantage when spotting. Take a little time while the sun is shining to familiarize yourself with our major county roads. One of the best ways to do so is with the help of a good map, in particular the DeLorme series of state Gazetteers. A cross between the good old atlas and USGS topographic maps, they provide good county road level coverage and mid-level roads in the cities.

However, no matter how good the map -- or GPS driven street finder -- if a mobile spotter has to take time to input coordinates or follow the map, it is time taken away from the primary job. Net control can provide vectors to the right side of storms, but the assumption from the net control is the spotters know the major roads.

Nets aren't just for fun

Each week, we conduct the W5YM University WeatherNet on Mondays and the Washington County ARES net on Tuesdays. I appreciate everyone who checks in each week, but very few of those who participate in the weather nets check in each week.

It is very important to participate. The most important reason is to know that you are around, especially during the summer months when so many folks take vacations. The second reason is to check your own equipment on a regular basis.

Please make an effort to check in.

Certificates for net participation

One way I hope to encourage more participation in our training net is through a certificate and endorsement program. Yes, it's more wallpaper, but I think everyone should get some recognition for taking the time to check in. Starting with the May training nets, everyone that checks in will receive a net participation certificate. I have the certificates printed for the following: N5YOR, K5KVN, KH7YS, KI5OY, K5OY, KD5ORR, KD5LKH, AD5GB, KD5NKS, KD5OXL. These are persons who (through May 20's net) have checked in during the training or active net.

The endorsements will be stickers (that I will get designed and made later) for: 10 training nets, 20 training nets, 50 training nets, first active net, 5 active nets, net control station, five times as net control station.

Kudos from Tulsa NWS

It is no fun staying up late for weather, or getting out in it. My special thanks to our mobile spotters in April, but here's a little note from Tulsa NWS:

Bill,

Your end of the net last night sounded great. That was the best I have heard in a while. We almost never get reports after 1am. Thanks for all your organization and time spent. Pass along our thanks to all those who participated.

Steve (Piltz)

For those who don't know, Steve Piltz is the chief of the station in Tulsa.

ARKAN CALENDAR

Make a note of the upcoming programs and events of ARKAN. If you have an idea for a program, contact ARKAN vice-president Kevin Thornton.

JUNE

AIRFEST Work Days June 8-9
The club needs to gear-up for its participation in AIRFEST the following weekend. See page two of the newsletter for duties and needs.

ARKAN Meeting June 24
Jay Bromley, W5JAY, presents a program on QRP. Jay is known world-wide for his unique QRP rigs, and everyone can learn something from his techniques.

JULY

ARKAN Meeting June 24
The program is packet basics presented by club member Randy DuCharme, AB5GB.

AUGUST

ARKAN Meeting August 26
The tentative program is APRS

SEPTEMBER -- OCTOBER

Meeting programs are open.

AMATEUR RADIO EVENTS CALENDAR

Keep in mind these events coming up this year.

JUNE

Field Day June 22-23
W5YM hosts Field Day on the lawn of Old Main each year. Amateur operators are invited to join in with the fun -- emphasis on fun. In particular, operators willing to work the overnight hours and maintain the station are needed.

OCTOBER

Arkansas SET Oct. 5
The SET is the Simulated Emergency Test, a nationwide ARES exercise that also has a state level component. The scenario is not established, but it will one that "effects" all counties. The 6-8 hour drill will be on this Saturday morning. Please mark it on your calendar to work the event.

NOVEMBER

Arkansas QSO Party TBA
The Arkansas QSO Party shifts its date into November for 2002. New rules for participation are being established, and your input is welcome. Bonus station again is W5YM (University of Arkansas), with special memorial certificate honoring K5GOE, longtime sponsor of ARCUA.

W5F at AIRFEST

The Arkansas Air Museum has a special event station callsign arranged for the Saturday of AIRFEST 2002.

The one-by-one call, W5F, will be available for use during the day. Anyone who works the special event station can use this call. Please log any contacts with the W5F callsign so they can receive a special commemorative QSL card from the event.

Quick Notes

DUES ARE DUE

Membership dues for the 2002 year are now due.

NEWSLETTER ON TREES OR ELECTRONS

If you prefer to have the newsletter emailed in Acrobat PDF, please indicate on your annual renewal form.

JOIN THE ARRL

Consider this one fact: membership in ARRL is about the same as the subscription price for any other magazine on amateur radio, and certainly less than buying QST off the rack. And when was the last time a magazine company lobbied on your behalf before the U.S. Congress or IAAU.

Repeating some old news for new folks: Why another club?

We hear a lot about family values in the media. Have you thought about what that means in our hobby? There may be many new modes of operation, and many new toys to use. The radios keep getting smaller and the antennas bigger. The constant through it all are the amateur radio operators.

Unfortunately, there has been a rapid decline in traditional amateur radio values. Mentoring our new amateurs -- elmering -- in many places is a lost art. Common courtesy on the bands is harder and harder to find.

A major point of emphasis for this year in the club is a return to those traditional amateur radio values. Think back, and help us move forward.

A new club?

A few months ago, several amateur radio operators with a common goal of returning fun and service to the hobby met to decide if a new club was warranted. Some folks have asked why we need yet another club in our area. The group, obviously, decided yes. The reasons why are varied, but they shared that common thread -- a fellowship based on our shared love for the amateur radio service and a sincere desire to serve the community.

Growth

A key component in the success of Northwest Arkansas is growth. That growth has brought new people to the Arkansas Northwest, and they bring with them a great diversity that we need to take advantage of in amateur radio. Many of them were club members before coming to the area and are looking for a new home. Some of them are new amateurs, or recently upgraded amateurs. And some have been waiting for a place that would return to the traditional amateur radio values of elmering new hams, and recruiting them to join the ranks.

Amateur Radio Klub of the Arkansas Northwest

Minutes of April 22, 2002, meeting Arkansas Air Museum; Fayetteville, Ark.

Meeting called to order at 7:05 p.m. by Norwin Harral, N5YOR.

Following introductions of officers and members, Harral discussed the formation meeting from last month and presented a copy of minutes from the meeting. Chuck Swearingen, KD5MEH, made the motion to accept the minutes as presented; seconded by Karen Harral, KB5ZRG. Motion carried by voice vote.

Under old business, Harral discussed more details from the organization meeting. He had received the lawyer's report on the incorporation papers for the club, and had made the changes to the proposed bylaws offered by individuals present at the organization meeting. These were noted in the minutes and the monthly newsletter. Harral asked for discussion from the floor regarding both documents, and there was none. Bill Smith, K1ARK, made a motion to adopt both the incorporation and the bylaws as the operating instruments of the club. The motion was seconded by Karen Harral and the motion passed on a voice vote without opposition.

Treasurer's report followed from Karen Harral. ARKAN has a bank account with ARVEST, and a total of \$85 in the bank. Two additional members prior to the meeting paid dues. There were no expenses to report. Karen Harral indicated the IRS has granted ARKAN a tax identification number, and this would be forwarded to the bank as well as the state of Arkansas on the incorporation papers. Mose Howard, KB5BV, made a motion to accept the treasurer's report; seconded by Stan Rankin, KB5SUJ. Motion carried by voice vote without opposition.

Harral reported the cost of incorporation with the state of Arkansas was \$50, and he asked for approval from the club to pay for it from the ARKAN treasury. Smith made a motion to pay the fee; seconded by Karen Harral. Motion carried by voice vote without opposition.

A club call sign was discussed. Gerry White, KH7YS, spoke for the need to have a club call sign, and it should be held by a trustee with an extra class call sign. White made the motion that Bill Smith, K1ARK, be directed to pursue the paperwork for the ARKAN club call sign and would be the club trustee, which was seconded by Karen Harral. Motion carried by voice vote without opposition. Smith indicated he would fill out the FCC forms, and asked the club members to begin considering options for vanity call signs that could be filed for once the original club call sign was issued.

Norwin Harral brought up the question of ARKAN becoming an ARRL member club, and yielded the floor to Arkansas assistant section manager, Bob Kendall, K5KBK. Kendall spoke to the group regarding the benefits of ARRL club membership, particularly the listings on state and national web sites. He encouraged all individuals to become ARRL members and heartily endorsed ARKAN pursuing ARRL membership. White made a motion to pursue ARRL membership and volunteered to complete the necessary paperwork; Swearingen seconded the motion. Motion carried by voice vote without opposition.

Norwin Harral also introduced Larry Rankin, K15OY, who is involved with the Department of Emergency Management (DEM). Larry talked about spoke of the need for involvement of ARKAN with the DEM during times of emergencies and severe weather conditions and the need for a linked repeater into Tulsa weather service. Harral mentioned that Smith, K1ARK, had been talking to the Tulsa club about this same subject and the Tulsa club could provide some of the equipment, however, we would have to buy the controller. Rankin took note of this and that the cost should be less than \$500 for the controller and would check to see if the DEM could help with the cost.

Under new business, discussion was had regarding the May club meeting since it coincided with Memorial Day. The consensus was to continue with the meeting on the fourth Monday regardless.

Harral opened up the floor for discussion of possible future meeting topics. Mose Howard suggested the QRP program by Jay Bromley, K5JAY; and indicated he would contact K5JAY. White asks for a general antenna building session. Others suggested APRS and packet meetings. Harral suggests another fox hunt and to proceed it with a club meeting on the subject. Harral took down suggestions for May (antenna building, N5YOR), June (QRP, W5JAY), July (packet, AD5GB), August (APRS, ?), pending the securing of speakers for these subjects.

Smith spoke about the need for participation in local nets, particularly emergency communications nets such as the W5YM University WeatherNet and the Washington County ARES net. A schedule of local nets is published in each issue of the ARKAN newsletter.

Special projects on the horizon were discussed. Field Day was tossed around as a possibility, with Smith to inquire with ARCUA if ARKAN members would be welcome to operate with the University club as an alternative. Smith pointed toward a booth at the Washington County Fair in late August as a possible special project; while Karen Harral speaking for the club becoming involved in Scouting through the Jamboree of the Air in October.

White encouraged members to talk up the ARKAN group and urged more publicity for the group. He volunteered to build and host an initial website for the club.

At 8:25 p.m., White moved for adjournment, seconded by Karen Harral. A tour of the Arkansas Air Museum was conducted after the meeting by Smith.

Amateur Radio Klub of the Arkansas Northwest Membership Application

Personal Information: _____ New Application _____ Yearly Membership Renewal Application

Applicants Name: _____ Callsign: _____ Class: _____

Age: _____ ARRL Member: YES NO ARES Member: YES NO

Spouse's Name: _____ Callsign: _____ Class: _____

Other household members holding licenses:

Name: _____ Callsign: _____ Class: _____

Name: _____ Callsign: _____ Class: _____

Street Address: _____

City: _____ State: _____ Zip Code: _____

Home Phone: _____ Work Phone: _____ Cell Phone: _____

Email Address: _____ Personal Web Site: _____

Membership in other organizations: _____

Interests: VHF/UHF Y/N APRS Y/N Packet Y/N Satellite Y/N ATV Y/N Spe. Events Y/N ARES Y/N SKYWARN Y/N
HF Y/N Phone Y/N CW Y/N Digital Modes: RTTY Y/N PSK31 Y/N Contesting Y/N

Other Non-Amateur Interests: _____

Please attach a copy of amateur radio license(s) for all those applying for membership.
Dues are \$20.00 for first club member and \$3.00 for each additional family member.

I acknowledge that I will follow all FCC rules and regulations as well as the by-laws of the Northwest Arkansas Amateur Radio Club. Any infraction will result in immediate termination of membership in the club.

Applicant Signature _____ Date _____

Sponsored by (Print) _____ Signature _____ Date _____

Board of Directors Approval

License attached: Y/N Dues Payment Attached: Y/N Amount of Payment: \$ _____

RECEIPT FOR ARKAN DUES

Date: _____

Received from: _____ Callsign: _____

Amount: _____ \$ _____

For: _____

Received By: _____

ARKAN

Amateur Radio Klub of the Arkansas Northwest
Fayetteville, Ark. 72703