



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

February 2004

PSK31 and the new digital modes

ARKAN MEETING

Feb. 23, 2004

AGENDA

Club members sign in for drawings
Call meeting to order
Acknowledge and welcome visitors

Program

PSK 31

by Bill Smith, K1ARK

Business Meeting

Reading of the minutes from January
Treasurer's report

Old Business

ARKAN station construction
Completion of SSC status
Appointment of event chairs

New Business

Programs for second quarter
Door prize drawings
Meeting adjournment

VE Testing

To follow meeting

NEXT MEETING

Monday, March 22

Repeater operations is the subject of the next meeting. How they work, good operating procedures and the future of 2m repeater usage.

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

The first of the new wave of computer-based sound card, PSK 31 has matured into one of the fastest accepted modes of communications. Traditionally thought of as a HF mode, PSK31 and its siblings can be -- and has been -- used on almost every frequency.

Requiring less resources than many other digital modes, PSK31 is the operating mode of choice for difficult operating conditions.

Bill Smith, K1ARK, presents an overview on the essential elements needed for PSK operation, where to find the necessary software, operation techniques and how you can easily incorporate PSK31 into your station.

Pres Note

Hello everyone, ARKAN is still picking up steam for 2004. This year is about teaching and learning new ham radio related skills and improving on the ones we already know. I encourage everyone to bring a friend to our meetings and participate in our Second Saturday Workshops each month.

Field Day 2004 ideas are starting to take form for ARKAN and volunteers are needed to help out with this event. I expect a great Field Day this year and can hardly wait for the time to be here. I hope each of you share in my enthusiasm for the hobby and will pitch in on the club projects this year and have a great time doing so. I look forward to seeing everyone at our next meeting February 23rd.

73,
John, KD5NFX

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.

APRIL

Ozark Challenge Apr. 9-10-11
This is another great opportunity to work in the Ozark National Forest. The challenge is a three-day endurance "adventure" relay. Operators are needed for shifts or for the entire weekend.

CONTACT: Rusty, N5ZMW
rustytwr@cox-internet.com

Heart Walk TBA

Each year the University club works with the American Heart Association to assist with communications. Date for the event is not set.

CONTACT: Bill Smith
k1ark@arrl.net

JUNE

AIRFEST 2003 June 19-20
This is another great opportunity to work in

CONTACT: Bill Smith
k1ark@arrl.net

AMATEUR RADIO EVENTS CALENDAR

Keep in mind these events coming up.

MARCH

Russellville Hamfest March 6
*Arkansas River Valley AR Foundation
Hughes Community Center*

CONTACT: Margaret Alexander
479-968-7270

Oklahoma Section Conv. March 19-20
Green Country Hamfest
Claremore, Okla., Expo Center. This is the second year the event has moved from Tulsa -- actually puts it a little closer to NWA.

CONTACT: Merlin Griffin
918-520-7668

APRIL

Fort Smith Hamfest April 3

Joplin (Mo) Hamfest April 9-10

Arkansas Radio April 23-24
Emergency Service Hamfest

Little Rock Expo Center
CONTACT: James Blackmon
870-246-7833

MAY

Dayton Hamvention May 18-20

February Meeting Notes

Event Chairs for 2004

President John Robinson has asked that the major events for the upcoming year have chairs who will direct the club's activities. Discussion is set as a topic under new business.

Special Service Club status filed with the ARRL

Based on input from members during the January meeting and others over the past few weeks, the club's application for SSC status has been finished and turned in to ARRL. The next step is to await the endorsement of our section manager.

New Worked All Arkansas Net is rolling along

To supplement the club's Worked All-Arkansas Award, a Worked All-Arkansas net on Saturday evenings on 3.9875 after the conclusion of the Razorback Phone Net is being called each week by Don Banta, K5DB.

Your Radio Memories

Do you remember how excited you were about that first DX contact? Or your 50th state? Or your first night on an active storm net? Share them with us for the monthly newsletter. Email your radio memories to newsletter editor Bill Smith for inclusion in upcoming issues. We have lots of newcomers to the hobby in the club, and they would benefit from your experiences.

Swap and Trade added to net

We are adding a new "For Sale/Trade/Wanted" portion of the Thursday night 2m net. People participating in the net can tell everyone listening about any radio related stuff they have to sale and trade, or if they are just looking for something. Prices cannot be discussed on the repeater and must be done off-line. Thursday net control, John Robinson, will keep track of who has, or wants what and their contact info so it can be given back out once advertised.

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

Dan Pucket, K5FXB
danp@uark.edu
University of Arkansas liaison

Kevin Thornton, K5KVN
K5KVN@arrl.net

Overall operations

Randy DuCharme, AD5GB
AD5GB@arrl.net
Digital coordinator

Benton County EC

Brad Clement, KJ5YD
kj5yd@arrl.net

Benton County Assistant ECs

Mike Engelke, KD5DGT,
Siloam Springs

Bob Kendal, K5KBK,
Digital coordinator

Carroll County EC

Marshall Turner, K0ADM
mturner@mynewroads.com

Madison County EC

Currently vacant and seeking nominations



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 Storm Spotting Class for Washington County rescheduled

Somehow it was appropriate that Washington County's storm spotter training session was rescheduled due to a strong forecast for winter weather on Feb. 4.

The reset date is Wednesday, March 10, at 7 p.m. Same location as before -- the Old Engineering Building, Room 209, on the University of Arkansas campus. This is the same meeting hall as previous years, located next door to the Bell Engineering Center on Dickson Street. Parking is across the street in the lots surrounding the 747 Dickson Street Building -- the KUAF studios.

Last year's meeting was very sparsely attended, in part because many people were anticipating the same presentation as the previous two seasons. What a surprise -- the all new program included some of the finest teaching tools for spotting rotation and relating weather to radar tracks that I've seen in a basic level setting.

Needless to say, **EVERYONE** should make an effort to attend. While participation -- and NWS certification as a storm spotter -- is not required for working with the W5YM University WeatherNet, it is **HIGHLY** recommended. Net control, and in turn Tulsa NWS, will take the single report of a trained and certified spotter. Often, we will seek two reports to confirm the observation of an uncertified spotter.

Tis the Season for Storm Spotting

February always seems to bring us our first active net of the year. Are you storm ready? Have you made sure you have:

- Current copies of spotter guides
- Checked your fixed spotter positions (have trees grown up, or construction changed a view)
- Driven the backroads in your area to stay familiar
- Checked the batteries in HT's, GPS's, etc.
- Updated your contact info with ARES and with the regional SKYWARN website
- Made sure you can receive alerts in the event of a loss of power

Time to Revise, Renew your ARES info

While every issue I put the same reminder in to update your ARES info, for many of our members it has been over a year since they've revised their paperwork. The main reason for the form is to give the EC a resource list -- both to contact volunteers and to make assignments.

So, if you moved, got a new home phone, cell phone -- these are all reasons to fill out a new form. If you've upgraded your equipment, your license, your skills -- another huge reason to make a new form. To further increase your chances of filling out the form -- it is attached to this month's newsletter again.

Have you signed up for ARRL EC Level I?

I can't stress how important the new on-line ARRL Emergency Communications course is to your future volunteer work. With the renewed grant funding for the course, it only adds to the importance to served agencies that you are a certified volunteer.

All ARRL members who complete the course receive a full refund of the cost thanks to the underwriting grant.

ARKAN address

The club has a post office box to serve as the official address of the organization:

ARKAN
P.O. Box 9701
Fayetteville, AR 72703

AREA HF NETS

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 is repeated Monday.
 FREQ: 3.9875 (alt freq. 7.260)
 TIMES: Sunday morning, 7:00 local
 Monday evening, 7:00 local
 (following close of Razorback Net)

Worked All-Arkansas Net
 Net Control: Don Banta, K5DB
 Weekly net for persons wishing to confirm and work counties for the club's Worked All-Arkansas Award. Follows the conclusion of the Razorback Net or 7 p.m. each Saturday until spring.
 FREQ: 3.9875
 TIMES: Saturday evening; 7:00 p.m.
 (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

ARKAN CALENDAR

Take a look ahead at upcoming meeting dates and program topics

MARCH
 Repeater Operations Mar. 22

APRIL
 Open Program Apr. 26

MAY
 Field Day May 24

JUNE
 Open Program June. 28

JULY
 Open Program July 26

February Program: PSK 31 and the new digital modes

Bill Smith, K1ARK

Phased Shift Keying, better known by the acronym PSK, quickly moved from the world of quirky experiment to world-wide acceptance over the past three years. Originally developed by a pair of European operators in 1999 -- Peter, G3PLX, and Pawel, SP9VRC, to allow HF operators in difficult conditions -- notably near the high northern latitudes -- obtain a reliable means of communication, PSK and its variants are edging closer to replacing the traditional keyboard modes of RTTY and packet for point-to-point communication. It is extremely bandwidth efficient -- a bandwidth equal to the baud rate -- 31.25 thus 31Hz (and the moniker PSK31).

The advent of inexpensive computers with advanced sound cards opened the door for PSK. The concept uses the ability of the computer to encode and decode shifts in the frequency phase to create a ASCII-based keyboard operations that could be transmitted as if they were voice.

In practice, the mode has proven to be extremely robust, and but it is not a replacement for error-free modes like Pactor. It lends itself to compromised antennas and QRP.

PSK Basic Equipment

A computer, software and a sound interface are all that is required in addition to the transceiver. The computer can be extremely modest -- one that is capable of running software in the Win9x class is sufficient.

Almost all the software is shareware or freeware. The original program remains one of the most reliable -- DigiPan. There are numerous multi-mode software packages that can perform more than just PSK operations. If you are getting started, a good place to go is the "official" PSK31 homepage at: <http://aintel.bi.edu.es/psk31.html>. Another valuable resource page is WM2U's page at: <http://www.qsl.net/wm2u/psk31.html>. Finally, there is <http://www.psk31.com>.

The audio produced by a computer sound card cannot run directly into the transceiver. Many companies have ready-made products -- West Mountain's RigBlaster series was among the first -- but the minimum transformers needed can also be constructed off the shelf from parts at Radio Shack. There are schematics for your own interface on the WM2U site.

PSK Operation

One of the most important considerations in running PSK is power level. More is not better. In fact, the best way to advertise your arrival as a new member of the group is through a huge bandwidth splattering, untuned 100w signal.

Continued on page 6

CONTACTING YOUR BOARD MEMBERS

John Robinson, KD5NFX	President	johnr83@alltel.net	
Bill Smith, K1ARK	Vice President	k1ark@arrl.net	
Mose Howard, KB5BV	Treasurer	kb5bv@arrl.net	
Ted Flynn, AD5ON	Secretary	ad5on@arrl.net	
Steve Barrington, N9NSO	At-Large Board Member	n9nso@arrl.net	
Kevin Thornton, K5KVN	Past President	k5kvn@arrl.net	
President	Vice President/Newsletter	Treasurer	Secretary
John Robinson	Bill Smith	Mose Howard	Ted Flynn
KD5NFX	K1ARK	KB5BV	AD5ON
11201 Doyle Road	3032 Strawberry	1775 N. Hunters Ridge	1903 S. Finger Rd.
Winslow, AR 72959	Fayetteville, AR 72703	Fayetteville, AR 72701	Fayetteville, AR
H-479-839-8112	H-479-443-9450	H-479-571-8470	72701
C-479-790-6564	W-479-575-3618	W-n/a	O-479-521-0008
johnr83@alltel.net	k1ark@arrl.net	kb5bv@arrl.net	C-479-957-5155
			ad5on@arrl.net

**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: Ted Flynn, AD5ON
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: Rotational among students
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: John Robinson, KD5NFX.
Weekly meeting for ARKAN and traffic
handling. Followed each week by a trader
net for local hams.
FREQ: 146.955 - (pl 110.9)
TIME: 8:00 PM local
Benton County Radio Operators
FREQ: 145.290 -
TIME: 7:00 p.m. Thursdays
Benton County ARES/RACES
FREQ: 145.290 -
TIME: 7:30 p.m. Thursdays
TARC Triple T Net -- TARC System
FREQ: Your nearby TARC linked repeater
TIME: 9:00 p.m. Thursdays

Amateur Radio Klub of the Arkansas Northwest

**Minutes of January 2003, meeting
Arkansas Air Museum; Fayetteville, Ark.**

ARKAN President John Robinson, KD5NFX opened the business portion of the meeting with a review of the minutes and Treasurer's report for December 2003. On the minutes, Don Banta, K5DB made the motion to accept the minutes as published. Mike Oliver, N5UWX seconded the motion. The motion carried. On the Treasurer's report, John Robinson, KD5NFX made the motion to accept the Treasurer's report as published. Cindy Barrington, KCØJOD seconded the motion. The motion carried.

Under old business, John announced that the Klub station vertical HF antenna is up and will have coax attached to it in the next couple of weeks. Bob Atkinson, KX5N mentioned he had some RG-8X available if needed for the station.

John, KD5NFX reported that the ARRL Special Services Club paperwork was nearly complete. Bill Smith, K1ARK, who is coordinating the application said, there is one more element of the application to complete before submitting to ARRL. Upon approval by ARRL, ARKAN will be the second Special Services Club in the entire state of Arkansas!

John, KD5NFX stated there were three major events this year, in which the Klub will be participating. They are the Drake Field Air Show, Field Day, and Jamboree On The Air. As such, he has asked for volunteers to chair one of these events. It was stressed that the person chairing a particular event was not responsible for doing everything. Rather, that person would be the point of contact for coordinating details surrounding the event. Two events have secured chairs. They are Steve Barrington, N9NSO for Field Day and Don Banta, K5DB for Jamboree On The Air. The only event left is the Drake Field Air Show in June. Anyone wishing to chair this event and who can meet with the Air Museum Committee on a monthly basis should contact John, KD5NFX.

The programs for February and March will be PSK31 and (tentatively) Repeater Operations, respectively. John, KD5NFX solicited for ideas for the next three months. Steve, N9NSO will deliver a presentation on Field Day at the May meeting, so suggestions are still needed for April and June.

No new business was presented. Due to extenuating circumstances, Klub QSL card design presentations were tabled till the February meeting.

Drawings for the Klub mascot and door prize were held. Bill Smith, K1ARK was the lucky winner of the Klub mascot and Don Banta, K5DB was the lucky winner of the door prize . . . a handy plastic parts box with some basic tools.

It was announced that due to the impending foul weather predicted for Wednesday evening (Feb. 4th), that the National Weather Service storm spotter's program is postponed till March 10th.

Don Banta, K5DB made the motion, with Mike Oliver, N5UWX making the second, that the meeting be adjourned.

*Respectfully submitted on behalf of Secretary Ted Flynn, AD5ON (who is TDY in Guatemala),
Steve Barrington, N9NSO*

Amateur Radio Klub of the Arkansas Northwest

Treasurer's Report

No change from last month
Balance Feb. 17 \$525.90
Thank, Mose

Almost all PSK work is done with 25 watts or less, particularly if gain antennas are used. Frequently, 5 watts into a quality beam is more than enough to do the job, and there is considerable QRP work on the PSK bands.

PSK Procedures

All the digital modes share common habits and syntax borrowed from the original digital mode -- CW. While PSK QSOs are far more conversational -- almost keyboard ragchew -- expect to see "K" at the end of the line, lots of Q signals, and other common CW abbreviations -- pse, SK.

There are semistandard frequencies for each band:

1.838	28.120
3.580	50.290
7.070	144.144
7.035	222.07
14.070	432.2
21.080	909
10.137	
18.100	
24.925	

As you can see, PSK isn't limited to HF. Many of the HF operations creep the VFO up .10 to .15 to accommodate the bandwidth of .31 for the waterfall display.

News from the Arkansas Section Manager

The subject for discussion on the Arkansas Section Net on February 4th was the new proposed licensing structure. As you have probably heard, the ARRL Board of Directors voted to propose that code be retained for the Extra Class license in spite of the fact that international agreement no longer required code for any kind of privileges. There would be a no-code entry level license, which would allow HF phone operation on some bands. You can read the entire proposal at www.arrl.org

It is my opinion that the FCC is determined to have an entry level, no code HF license, and the board was trying to retain some code requirement. Even so, it is not a sure thing that the FCC will go along. It is possible that code will be eliminated altogether.

There are several petitions before the FCC having to do with code tests, and several would do away with the code test completely. Please send your comments to the FCC on any or all of these petitions, and also the ARRL petition when the FCC begins taking comments.

Here are some of the comments expressed during the Section Net:

This is a good compromise.

I have no problem with it but the new "Novices" need a distinctive series of callsigns.

I am for anything that will bring in new, young hams

I am not totally opposed to it. I disagree with the amount of proposed spectrum.

I am for it. It will get more operators on the air and will help emergency communication.

We need to be good Elmers and put our best foot forward for the new operators. New hams learn by listening — we must set a good example

Others said they were for the proposal. No one spoke against it, but I know they are out there because I have heard from several, and they make some good points.

It seemed that most people accepted the fact that times are changing and CW is not as prevalent as it once was. Also, it has been widely discussed about the change in international requirements and the fact that the FCC wanted to simplify the license structure and possibly eliminate code. I do not enjoy seeing code activity diminishing, but I hear fewer signals on the bands. The phone portions of the bands are not as crowded as they were years ago, either. We must put signals on the air if we are to retain our frequencies. Please send your comments to the FCC and express your opinion when the time comes so that we can make the most of the changes that are coming.

KB5IRC, a teacher in Bismarck, reports that he got school administration approval for his "Introduction to Amateur Radio" class for the fall. Stony has applied for a Big Project grant from the ARRL and it is being considered. He says the kids are excited about amateur radio!

The new president of the Fort Smith Area Amateur Radio Club is Jimmie Lowery, W5JNL. The Fort Smith club is getting ready for their hamfest on April 3. The 146.97 repeater in Fort Smith is now connected to Echolink.

Webmaster KB5FJX has added a new chat room for Arkansas hams to the www.arkansashams.org web site. You can find a link to the chat room at the top of each page. ARRL Arkansas Section

Section Manager: Robert D. Schaefer, W5RZ
w5rz@arrl.org

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 \$5.00 for each additional family member.

I acknowledge that I will follow all FCC rules and regulations as well as the by-laws of the Amateur Radio Klub of the Arkansas Northwest. 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 Worked All-Arkansas Award Work Sheet

To qualify for the Worked All-Arkansas Award, a station must have written verification of QSOs -- any band or mode -- with all 75 counties of the state of Arkansas. Please fill in the application sheet below, and return the completed application plus a \$5.00 award certificate fee to: ARKAN, P.O. Box 9701, Fayetteville, AR, 72703. All applications must be verified and signed off by two current officers of a registered ARRL club, or by presentation of cards with form. If sending cards, please include return postage.

COUNTY	CALL	TOWN	BAND	COUNTY	CALL	TOWN	BAND
ARKANSAS	_____	_____	_____	LAWRENCE	_____	_____	_____
ASHLEY	_____	_____	_____	LEE	_____	_____	_____
BAXTER	_____	_____	_____	LINCOLN	_____	_____	_____
BENTON	_____	_____	_____	LITTLE RIVER	_____	_____	_____
BOONE	_____	_____	_____	LOGAN	_____	_____	_____
BRADLEY	_____	_____	_____	LONOKE	_____	_____	_____
CALHOUN	_____	_____	_____	MADISON	_____	_____	_____
CARROLL	_____	_____	_____	MARION	_____	_____	_____
CHICOT	_____	_____	_____	MILLER	_____	_____	_____
CLARK	_____	_____	_____	MISSISSIPPI	_____	_____	_____
CLAY	_____	_____	_____	MONROE	_____	_____	_____
CLEBURNE	_____	_____	_____	MONTGOMERY	_____	_____	_____
CLEVELAND	_____	_____	_____	NEVADA	_____	_____	_____
COLUMBIA	_____	_____	_____	NEWTON	_____	_____	_____
CONWAY	_____	_____	_____	OUACHITA	_____	_____	_____
CRAIGHEAD	_____	_____	_____	PERRY	_____	_____	_____
CRAWFORD	_____	_____	_____	PHILLIPS	_____	_____	_____
CRITTENDEN	_____	_____	_____	PIKE	_____	_____	_____
CROSS	_____	_____	_____	POINSETT	_____	_____	_____
DALLAS	_____	_____	_____	POLK	_____	_____	_____
DESHA	_____	_____	_____	POPE	_____	_____	_____
DREW	_____	_____	_____	PRAIRIE	_____	_____	_____
FAULKNER	_____	_____	_____	PULASKI	_____	_____	_____
FRANKLIN	_____	_____	_____	RANDOLPH	_____	_____	_____
FULTON	_____	_____	_____	ST. FRANCIS	_____	_____	_____
GARLAND	_____	_____	_____	SALINE	_____	_____	_____
GRANT	_____	_____	_____	SCOTT	_____	_____	_____
GREENE	_____	_____	_____	SEARCY	_____	_____	_____
HEMPSTEAD	_____	_____	_____	SEBASTIAN	_____	_____	_____
HOT SPRING	_____	_____	_____	SEVIER	_____	_____	_____
HOWARD	_____	_____	_____	SHARP	_____	_____	_____
INDEPENDENCE	_____	_____	_____	STONE	_____	_____	_____
IZARD	_____	_____	_____	UNION	_____	_____	_____
JACKSON	_____	_____	_____	VAN BUREN	_____	_____	_____
JEFFERSON	_____	_____	_____	WASHINGTON	_____	_____	_____
JOHNSON	_____	_____	_____	WHITE	_____	_____	_____
LAFAYETTE	_____	_____	_____	WOODRUFF	_____	_____	_____
				YELL	_____	_____	_____

I certify the contacts listed above as correct by visual inspection of the confirmed written QSOs, and I am a duly elected Ark. ARRL club officer.

#1 PRINT NAME: _____ CLUB: _____ SIGNATURE: _____ DATE: _____

#2 PRINT NAME: _____ CLUB: _____ SIGNATURE: _____ DATE: _____

Name: _____ Call: _____



Email: _____



AMATEUR RADIO EMERGENCY SERVICE REGISTRATION FORM

Address: _____

City: _____ State/Prov.: _____ Zip/PC: _____

Bus. phone: _____ Home phone: _____ County: _____

License Class: _____ Primary radio interest: _____

Check (✓) bands/modes you can operate:

	160	80	40	20	15	10	6	2	220	OTHER
CW										
FM										
RTTY										
SSB										
MOBILE										
PACKET										
IF OPERATING PACKET, THE CALLSIGN OF YOUR PBBS IS: _____										

Can your home station operate without commercial power? Yes No

If yes what bands? _____

Signed: _____ Date: _____

Detach and send to your EC (if known) or the ARRL, 225 Main St., Newington, CT 06111.

To All Radio Amateurs:

The Amateur Radio Emergency Service (ARES) is a voluntary organization of licensed radio amateurs who have registered their capabilities and equipment for providing emergency communications as a public service to the community. The purpose of the ARES is to furnish communications in the event of natural disaster, when regular communications fail or are inadequate. Sponsored by ARRL, the ARES functions at the local level to meet local communications needs.

The ARES has a long history of public service going back to its formal inception in 1935. Since that time the ARES has responded countless times to communications emergencies.

Experience has proven that radio amateurs respond more capably in time of emergency when practice has been conducted in an organized group. There is no substitute for experience gained *before* the need arises.

The ARES in each locality operates under the direction of the Emergency Coordinator (EC), whose function is to direct the activities of the ARES to maintain a state of readiness.

To register in the ARES, send the detachable Registration Form above directly to your EC, or to ARRL Headquarters for forwarding to your EC. *League membership is not required for registration.* Registration does not require possession of any specially designed equipment. All amateurs can be of assistance to the ARES. There is provision in the ARES for *every* amateur regardless of class of license, equipment owned, or personal circumstances.

Won't you join us in providing this essential Amateur Radio service?

Richard Palm, K1CE
Field Services Manager

ARKAN

Amateur Radio Klub of the Arkansas Northwest
Post Office Box 9701
Fayetteville, Ark. 72703