



ARRL Midwest Division Newsletter June 2018



2018 ARRL Midwest Division Convention The First Annual Midwest STEM TechFest Linn County Fairgrounds Just outside Cedar Rapids, Iowa August 4 & 5, 2018

By Tim Busch, NØCKR, Convention Chairman

The ARRL Midwest Division Convention committee has been busy creating a fun and interesting event for young and old alike. It will not be limited to strictly amateur radio activities, but also includes exciting STEM activities.

A **special event station, KØN**, will be active during the event. Everyone is invited to stop in and operate. Talk-in will be on the Cedar Rapids WØGQ repeater, 146.745 - 192.8 Hz tone - also 146.520 Simplex

Dinner will be Saturday night, featuring guest speaker ARRL President Rick Roderick, K5UR. The secret Wouff Hong ceremony will follow the dinner.

Tours of Rockwell Collins will be available via the Collins Collectors Association. CCA will host a Friday night dinner in Cedar Rapids. <http://www.collinsradio.org/>

QSL Card Checking will be available on-site.

VE Testing will be held on-site Saturday afternoon and Sunday morning.

Drawings for Big Prizes: Icom IC-7300, Quadcopter, 3D Printer, and more! Hourly door prizes!

Forum Topics (Tentative)

- | | |
|------------------------------------------------------------|----------------------------------------|
| • American Radio Relay League (ARRL) Forum Managers | Rod Blocksme, KØDAS & Section Managers |
| • The Search for Amelia Earhart | Rod Blocksme, Bryan McCoy |
| • Collins Collectors Association | Francisco Leda |
| • Amateur Radio Emergency Service | Scott Haney, NØGUD |
| • Institute of Electrical and Electronics Engineers (IEEE) | TBD |
| • Iowa Repeater Council (IRC) | Chris Conklin |
| • Digital Mobile Radio (DMR) | Tom Bicket / Scott Lowe |
| • WSJT-X Digital Modes | Joe Taylor, K1JT |
| • Solar Energy & RFI | Ed Hare, W1RFI |
| • Amateur Satellite Corp. (AMSAT) Satellite | Wyatt Dirks, AC0RA |



- Long-Distance Communications (DX)
- Electronics Kit Building
- Radio Fox Hunting Fundamentals
- University of Iowa Operator Performance Laboratory
- Youth Robotics Programs
- STEM Educational Opportunities
- Youth Tech (Scouts, 4-H, and others)
- Growing New Amateur Radio Operators Young & Old
- KCDX & EIDXA Clubs
- Joe Eisenberg, KØNEB
- Clint Miller, WØGR
- Tom Schnell
- Erik Malvik
- Monica Challenger
- Dudley Allen KDØNMD
- Tim Busch NØCKR

Outdoor Demonstrations

- High Altitude Balloon Launch
- University of Iowa Operator Performance Laboratory Helicopter
- Drone Racing
- Radio Controlled Cars & Airplanes
- KØN Amateur Radio Station - Come & Get on the Air!
- Classic Collins Amateur Radio Station

Make-it / Take-it Build Projects

- Humanalight, a simple LED flashlight for weak AA batteries David Cripe, NMØS
- Fox Hunt Antenna – Followed by a Fairgrounds Fox Hunt! Clint Miller & Story County ARC
- Cricket 80A: 80 Meter CW Transceiver David Cripe, NMØS

The show grounds are located on 39 acres, with an additional 6 acres of free parking

Prices for the event:

- Kids under 18: FREE
- Adults: \$10
- Flea Market Tables: \$10 (\$15 after July 1) (N0YWB1@gmail.com to reserve space)
- Outdoor Fleas: \$10/car, truck, table (N0YWB1@gmail.com to reserve space)
- Commercial Vendors: \$10/table w/2 free tickets
- Banquet: \$20 each
- RV Camping: \$20/night
- Offsite camping available: Pinicon Ridge Park

Hotels & B&Bs:

- Victorian Lace B&B - 300 East Main Street, Marion 52302 - 800-491-6182
- Microtel - 5500 Dyer Ave, Marion - 800-491-6182
- Best Western - 90 Twixt Town Rd Ne, Cedar Rapids, 800-491-6182
- Quality Inn - 4747 1st Ave SE, Cedar Rapids, 800-491-6182



On-site food supplied by Linn County 4-H Clubs and Linn County Pork Producers.

The convention website, www.ARRLMidwestConvention.org is growing quickly. Stay tuned!

Hope to see you at the convention!

73 de Tim, NØCKR
NØCKR@ARRL.net





Kit Building Sessions at the ARRL Midwest Convention

by David Cripe, NMØS

This year's **first build session kit** is the Humanalight, a simple LED flashlight for weak AA batteries.



The Humanalight is sold by the charitable organization Ears To Our World as a means of providing radios and flashlights to those in need of communication and light. Thomas Witherspoon, K4SWL, is the founder and executive director. Here is their mission statement, copied from their website. "At ETOW, we believe access to information is access to education. We provide innovative, simple and appropriate technologies to schools and communities in remote, rural and impoverished regions of our world."

This little flashlight makes use of the most commonly available battery in the world, the ubiquitous AA. Equally common are "dead" AA batteries. The Humanalight is an adaptation of the 'Joule Thief' circuit with a pcb designed by David Cripe, NMØS. A typical AA battery discharged too far to be useful in any household item can provide up to *two weeks* of continuous operation in a Humanalight. A fresh

alkaline battery can operate continuously for over *five weeks!*

ALL THROUGH HOLE parts make this kit very easy to assemble in approx. ½ to 1 hour. The price of the Build Session kits is \$15, and is selected and paid for during the registration process. This is a great fun activity for all, experienced builders or not, so plan to attend and enjoy AND you will get to carry home this nifty kit selection that you built. Pre-Registration is necessary as there is a limited number of the kits available for the building session.

Attendees will need to bring their own hand tools for the session.

- Soldering iron with a stand. A small tip on the iron is suggested. This could be a simple 25 watt iron with a bent coat hanger stand.
- Damp sponge to clean the soldering iron tip
- Rosin core solder - Kester "44" or similar. Note that we will have some spare solder available.



- Small wire cutters
- Needle nose pliers
- Magnifier and/or light
- Hi-lighter to mark off parts as they are installed
- Cookie sheet with upturned lip to catch stray parts, to reduce static discharge damage to components and to protect the table surface

More information about Ears To Our World, as well as the Humanlight, can be found here <http://www.earstourworld.org/>

This year's **second Build Session kit** is an entry level CW transceiver for the 80 meter band, the Cricket. The Cricket is a minimalist 80M crystal controlled CW transceiver designed to be a



simple, easy-to-build project, yet very functional. Favorably reviewed in the December 2017 QST, It is comprised of only 43 components, but maximizes features and performance of each of those components. It will take approximately 2 hour to build. The crystal included in the kit is a frequency usable by ALL license classes, Technician through Extra!

Specifications:

- Voltage Input: 9v battery, clips mounted to board. The battery will be included!
- Receive Current: <20mA typical
- Transmit Power: 0.75w, typical
- Transmit Current: <80 mA
- Operating Frequency: 3.579 MHz, crystal included.
- Antenna Connector: BNC, on board
- MDS: -105 dBm, typical - good sensitivity.



Audio jack: 1/8" Stereo
T/R Offset: 600 Hz, typical
Sidetone: Included!
Key: Included!
Toroids: None!
Wiring: None!

It bears a family resemblance to the well known but much lower performing Pixie. However it is very different and vastly improved over the Pixie. This was designed to be a usable rig and is far superior! It features low parts count, MOSFETs for better receiver sensitivity and switching, and a modern NJM2113D audio amp. An TX/RX offset is included so that you can work other stations that have zero beat you, or are using a crystal on the same frequency. Full QSK and a sidetone complete the essential operating features. Inductors made of etched spiral coils are included on the pc board, so there are NO TOROIDS to wind. Additionally a straight key is included on the pc board, just snap it off, mount it on the board, and the whole rig is then self contained. These are many features for such a low parts count, fun, and an inexpensive transceiver.

ALL THROUGH HOLE parts make this kit very easy to assemble in approx. 2 hour. The price of the Build Session kits is \$25, and is selected and paid for during the registration process. This is a great fun activity for all, experienced builders or not, so plan to attend and enjoy AND you will get to carry home this nifty kit selection that you built. Pre-Registration is necessary as there is a limited number of the kits available for the building session.

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For more information about this kit, see the kit web page at <http://www.4sqr.com/cricket.php>.



Who's in Control of Your Field Day Station?

by Richard Johnson, K0RCJ

The ARRL is always answering questions about FCC rules as they apply to Field Day. Of course, every station must have a control operator (97.103). On Field Day, you often operate using someone else's or a club call-sign. The station licensee or club call trustee is ultimately responsible for all transmissions from their station. During Field Day, many amateurs often use a single call sign, so the station licensee must designate a control operator(s) who is responsible for the operation of that station when the licensee is not in direct control. Both the station licensee and the control operator are equally responsible for all transmissions (97.103(a) and (b)). When the station licensee designates others as control operators, they should make a note in the log. You are no longer required to carry a photocopy of your license whenever you are the control operator of a station, but it's still a good idea. A third-party is defined as anyone who does not have operating privileges on the frequency and mode being used.

Q. Are there any exceptions to the FCC rules for Field Day?

A. No, FCC Part 97 rules apply 24/7 every day of the year – no exceptions.

Q. The trustee of our club callsign is an Extra. Does this mean our station can operate on any frequency?

A. No. Many people mistakenly believe that a club call-sign automatically carries the operating privileges of the call-sign trustee. That is not true. A club call-sign comes from a station license and carries no operating privileges. A station may only operate according to the privileges of the Control Operator at the control point for that station. Example, if a control operator is a General, that transmitter may only operate using General class privileges.

Q. My call is being used for Field Day, but I can't be at the station for the duration of the contest. (I like sleeping in my air-conditioned house, even during Field Day.) Do we have to take the transmitter off the air when I am not present?

A. No, you may designate a control operator or operators who should fulfill your duties as the station licensee. In fact, you don't have to be there at all, but you are responsible for making sure that the appointed control operator(s) is capable of carrying out your wishes (97.103(b) and 97.105). After all, if there is a problem the FCC is going to contact you as the licensee or trustee of a club call.



Q. Can KB1ZDZ, a General class licensee, operate at the station of N1ND, an Extra Class licensee, during Field Day? Can he operate in the Extra Class segment even though he only holds a General class license?

A. The answer to the first question is “yes” – he may operate using his license privileges from N1ND’s station. However if he wishes to participate on frequencies other than those his license allows, there must be a control operator with privileges for the desired operating frequencies continuously monitoring and supervising the operation at the control point of the transmitter. FCC rules state that “A control operator must ensure the immediate proper operation of the station.” (97.105(a)). The rules go on to say, “A station may only be operated in the manner and to the extent permitted by the privileges authorized for the class of operator license held by the control operator” (97.105(b)).

Q. I am an Extra Class licensee, but I am going to use a Technician class operator’s station and call sign during Field Day. Can I legally operate her station and use her call outside the Technician sub-bands?

A. You, the Extra, can be designated as the control operator. If you are authorized by the licensee, you may use the call sign of the Technician class licensee and operate within the Technician class privileges. However, if an Extra Class control operator wants to operate outside the Technician class operator privileges, they may do so, but must identify by appending their call to that of the Technician, such as signing “KB1ZDZ / N1ND” on CW or separating the calls by the word “stroke” on Phone (97.105(a) and (b), 97.119(d)). True, this is a long identification procedure, but it is the only way to identify in this case. Why would an Extra want to use a Technician call? Well, that may not always be the case, but it clearly illustrates the point.

Q. What is the identification procedure for a club station license during Field Day?

A. A club station license carries no operator privileges. The person designated as control operator for the station must use his or her own privileges. If operation takes place in the Extra class part of the band, there must be an Extra class control operator present at the control point monitoring and supervising the operation. This does not necessitate the use of the supplementary station ID as mentioned in Section 97.119(e).



Q. During Field Day, members of the public wander through as we operate. Many times, these unlicensed individuals want to operate. Can they legally operate our Field Day station?

A. Only a licensed amateur is eligible to be the control operator, and obviously an unlicensed person can't be the control operator of an amateur station. So, an unlicensed person cannot legally operate the Field Day station. However they may participate under the immediate supervision and direction of a control operator present at the control point. Third parties may only communicate directly with other US stations or with countries with which the US has signed third-party agreements (97.115(a) and (b)). Part 97 rules are always in effect. There is no "special exception" for Field Day. It is the hope of the ARRL that everyone will do lots of operating during Field Day, demonstrate Amateur Radio to the public, practice our emergency communications capabilities, eat lots of good Field Day cooking and most of all, have a good time while doing it. However, it all must take place in the context of the FCC rules.

Q. During Field Day, there may be DX stations on the air. May they be worked?

A. In most cases, yes. However, if a person is participating as a third party under the supervision of a control operator, there must be a third-party agreement between the DX country's government and the US. The complete list of countries with which the US has Third Party agreements may be found at: www.arrl.org/third-party-operating-agreements

Q. We will be using a special 1 by 1 call-sign for Field Day. Is there anything special we must do?

A. Yes, at least once per hour each station using the special call must also ID with the FCC-issued station call. (97.119(d)) Revised: 2/2018.

Attention: Club Field Day Chairmen

Please post your Field Day information on the ARRL Field Day Locator,
<http://www.arrl.org/field-day-locator>

Attention: Those wanting to locate Field Day Sites: Please access
<http://www.arrl.org/field-day-locator>

We could collect and post this information on Larry's List, but the ARRL site is better organized.

73, Larry, W0AIB



SLSRC Announcements & News

St. Louis and Suburban Radio Club is having a **weekend class for the Technician License** on Saturday and Sunday, June 9 -10. This will cover the current question pool that will expire June 30 and will be replaced with a new one July 1.

- Registration is required.
- There is no cost for the class.
- All of the possible test questions in the Question Pool will be covered, but prior study is strongly recommended.

Study guides for the current question pool will be sent when you register for the class.

VE testing for all license levels will be held on June 10 at the completion of the class by the Cliff Cave VE team. Walk-ins for testing of all license levels are welcome. The cost of the test is \$15.00 cash only.

Contact Cliff KCØSDV at Education@SLSRC.ORG for complete information and to register.

SLSRC announces a series of “**Elmering Workshop**” sessions beginning Friday, May 4 and continuing the first Friday of each month through September. In October, the popular “Back to the Basics” will begin its series of sessions.

What is “Elmering” in the Amateur Radio community...."Elmer" is a nickname or term used to describe someone that can answer lots of your Ham Radio related questions when you are starting out in Ham Radio...or when you have a question about new equipment, operating mode, or just a question you have been wondering about for some time.

- Do you have a new radio that needs programming? Bring it to the session.
- Are you holding off purchasing new equipment and have questions about what to buy?
- Do you have questions about some of the “new” modes that others are excited about?
- What is the best antenna for your situation?
- Do you need help and advice on how to set up your first station, or expand the one you have?
- How about grounding your station...where do you start?

These are just a few possible questions...you will set the “agenda” as to what will be discussed, so put the first Friday on your calendar for the next 5 months and join us at the SLSRC “**Elmering Workshop**.”

Missouri Baptist Hospital
Clinical Learning Institute
Goldfarb School of Nursing (rooms 419-420)
7 PM



Around the Midwest Division



Photo from the 3900-club Hamboree in Boone, Iowa. Reported attendance was 120 on Saturday May 5th and 20 attended the dinner on Friday night. 24 attended the ARRL Forum.
de Bob McCaffrey, K0CY, Iowa SM

Richard Zysk, KØGSV passed away 19 May 2018. Rich was an active amateur for many years in the St. Louis area and a great mentor. Rich ran code practice on ten meters for some time and was the assistant Zero QSL Bureau manager. He worked and had confirmed all DXCC countries including North Korea. He will be missed. 73, submitted by Paul Haefner, KØJPL

Rex Satterlee, N0DJY, 76, of Reasnor, Iowa and formerly of Beacon, Iowa passed away unexpectedly, Sunday, May 20, 2018, at Iowa Methodist Medical Center in Des Moines, Iowa. Submitted by Kent Trimble, K9ZTV

There was a **big tropo opening** starting May 26. Stations in KS, eastern NE and Oklahoma worked WE7L DM79 on 2M tropo May 26. I logged KF0M em17 on 432.100 ~ 1415z from Lawrence, KS. John was well over S-9. I was running 10 W to a single N6NB Quagi on a 5 ft. mast. On May 27 W7XU and W0SD en13 worked stations in NE, KS, OK and best DX to WQ5S EM13 TX on 2M tropo. Submitted by Jon Jones, N0JK



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2018 ARRL Midwest Convention The First Annual Midwest STEM TechFest

August 4 & 5, 2018

Cedar Rapids, Iowa

Hosted by the

Cedar Valley Amateur Radio Club

In Cooperation with

The American Radio Relay League (ARRL), Iowa STEM,
Institute of Electrical and Electronics Engineers (IEEE),
Makers, Radio Control Clubs, Drone, Rocket & Balloon Clubs,
Boy/Girl/Venture Scouts and 4-H Clubs,

Rockwell Collins Amateur Radio Club, Eastern Iowa DX Association, Amateur Radio Satellite
Corporation (AMSAT),
Amateur Radio Emergency Service (ARES), Quarter Century Wireless Association (QCWA), Collins
Collectors Association, and
Midwest Amateur Radio Clubs!



Many Door Prizes! Fun for the whole family!

FEATURING

39 Acre Show Site

6+ Acre Free Parking

Camping On-Site

Indoor & Outdoor Flea Markets

Live Demonstrations

Amateur Radio Exams

Build Projects

Commercial Vendors

Forum Speakers

Organization Meet-Ups

Numerous activities

Saturday Evening Banquet & "Secret" Wouff Hong Ceremony

Keynote Speaker: ARRL President Rick Roderick, K5UR

Save the Date!

August 4 & 5, 2018

Convention Chairman: Tim Busch, NOCKR@ARRL.net

www.ARRLMidwestConvention.org
Info@ARRLMidwestConvention.org



Midwest Division ARRL Hamfests & Conventions

06/09/2018 | SWIARA Swapmeet

Location: Creston, IA

Type: ARRL Hamfest

Sponsor: South West Iowa Amateur Radio Association

Website: <http://www.swiara.com/home.html>

07/14/2018 | Pioneer ARC's 21st Annual Flea Market

Location: North Bend, NE

Type: ARRL Hamfest

Sponsor: Pioneer Amateur Radio Club

Website: <http://www.k0jfn.com>

07/21/2018 | Warrensburg Area ARC Hamfest

Location: Centerview, MO

Type: ARRL Hamfest

Sponsor: Warrensburg Area Amateur Radio Club

Website: <http://waarci.org/hamfest>

07/22/2018 | Washington Zero Beaters Hamfest

Location: Washington, MO

Type: ARRL Hamfest

Sponsor: Zero Beaters Amateur Radio Club

Website: <http://www.zerobeaters.org>

07/28/2018 | 57th Annual Victoria Springs Ham Fest & Steak Fry

Location: Anselmo, NE

Type: ARRL Hamfest

Sponsor: Central Nebraska Amateur Radio Club

Website: <http://cnarc.club>

08/04/2018 | Midwest Division Convention

Location: Linn County Fair Grounds at Central City, IA

Type: ARRL Convention

Sponsor: Cedar Valley Amateur Radio Club

Website: <http://www.w0gg.org>



08/12/2018 | SCARC Hamfest

Location: O'Fallon, MO

Type: ARRL Hamfest

Sponsor: St. Charles Amateur Radio Club

Website: <http://www.wb0hsi.org>

08/19/2018 | Kansas State Convention

Location: Salina, KS

Type: ARRL Convention

Sponsor: Central Kansas Amateur Radio Club

Website: <http://www.w0cy.org/>

08/24/2018 | 29th Annual Joplin Hamfest

Location: Joplin, MO

Type: ARRL Hamfest

Sponsor: Joplin Amateur Radio Club

Website: <http://joplinhamfest.org>

09/08/2018 | AK-SAR-BEN ARC Flea-Esta

Location: Springfield, NE

Type: ARRL Hamfest

Sponsor: AK-SAR-BEN Amateur Radio Club

Website: <http://www.aksarbenarc.org>

09/29/2018 | Iowa Great Lakes ARC Hamfest

Location: Milford, IA

Type: ARRL Hamfest

Sponsor: Iowa Great Lakes Amateur Radio Club

Website: <http://gt9650.wixsite.com/iglarc>

Midwest Division News and Photos Wanted!

If you have news and photos about events or activities from the Midwest Division, email them to Director Rod Blocksome K0DAS at rod.blocksome@gmail.com. I will try to include as many as possible in upcoming editions of the Midwest Division News.

Thanks and 73, Rod, K0DAS



Midwest Division Special Event Stations

06/01/2018 | Lewis & Clark 1804 Expedition

Jun 1-Sep 15, 0100Z-1500Z, N0HWJ, Orchard, NE. N0HWJ. 14.275 14.250 3.982 3.975. QSL. Don Lallier, N0HWJ, PO Box 303, Orchard, NE 68764. Please send self-addressed stamped business envelope along with your QSL card and QSL information. My QSL information may be found on QRZ under my call.

06/02/2018 | SE Kansas Mining Special Event 4 of 7

Jun 2-Jun 3, 1500Z-2300Z, K0SEK, West Mineral, KS. Southeast Kansas Amateur Radio Club. 7.242 14.250. Certificate & QSL. K0SEK Attn CHANCEY #SASE, 409 W Quincy ST, Pittsburg, KS 66762. Big Brutus miners reunion is the 4th of 7 Special Events recognizing the mining history in SE Kansas !! See website for details including QSL and Certificate info. <https://www.sekarc.net/p/sek-mining.html>

07/22/2018 | Winnebago Grand National Rally

Jul 22-Jul 26, 1300Z-0400Z, W0WIT, Forest City, IA. Wit Radio Chapter. 14.268 7.265; 147.57. QSL. David Marlowe, 12648 170th Street, Linwood, KS 66052.

08/04/2018 | 2018 ARRL Midwestern Division Convention

Aug 4-Aug 5, 0000Z-1800Z, K0N, Central City, IA. Cedar Valley Amateur Radio Club. 28.392 21.362 14.292 7.192. QSL. David Cripe, 118 Hilltop Dr NE, Mount Vernon, IA 52314. www.ARRLMidwestConvention.org

08/26/2018 | Hollenberg Pony Express Festival, 157th Anniversary of the Pony Express

Aug 26, 1430Z-2100Z, K0ASA, Hanover, KS. Crown Amateur Radio Association. 14.285 14.045 7.045 3.545. Certificate & QSL. Crown Amateur Radio Association, 11551 W 176th Ter, Overland Park, KS 66221. K0ASA will be located on the grounds of the Hollenberg historic site, configured as a Telegraph Office for festival visitors to enjoy. This is the only Pony Express station in the nation that has been preserved and left on its original foundation. www.sftarc.org

ARRL Midwest Division Leadership



Director: Rod Blocksome K0DAS

k0das@arrl.org 319-393-8022

Vice Director: Art Zygielbaum K0AIZ

k0aiz@arrl.org 402-421-0839

Iowa Section Manager: Bob McCaffrey, K0CY

Kansas Section Manager: Ron Cowan, KB0DTI

Missouri Section Manager: Cecil Higgins, AC0HA

Nebraska Section Manager: Matt Anderson, KA0BOJ

DX Advisory Committee: John Yodis, K2VV (MO)

Emergency Communications Advisory Committee: Reynolds Davis, K0GND (NE)

Contest Advisory Committee: Glenn Johnson, W0GJ (IA)

Midwest Division Volunteer Counsel: Craig Long, K0CSL (IA)

Division Legislative Action Chair: Mike Edwards, WB9M (MO)

Legislative Action Coordinators: Nick Critelli, K0PCG (IA); Bruce Frahm, K0BJ (KS & NE); Mike Edwards, WB9M (MO).

Assistant Directors (Missouri): Paul Haefner K0JPL, Dave Propper K2DP, Kent Trimble K9ZTV, Roger Volk K0GOB, Cecil Higgins AC0HA, John Frederick N8GOU, Eric Zust W0TT, Randy Schulze KD0HKD, and Ron Lowrance, K4SX.

Assistant Directors (Kansas): Mike Albers K0FJ, Jim Andera K0NK, Bill Henderson K0VBU, Charlie Hett K0THN, Brian Short KC0BS, Richard Johnson K0RCJ, Rick Tucker W0RT, and Jon Jones N0JK.

Assistant Directors (Iowa): Tim Busch N0CKR, C.W. Pantel K0IIR, and Jim Spencer W0SR

Assistant Directors (Nebraska): Reynolds Davis K0GND, Joe Eisenberg K0NEB, Allen Harpham WD0DXD, and Todd LeMense KK0DX.

Midwest Division Webmaster: Steve Schmitz W0SJS email: w0sjs@arrl.net

Midwest Division's website: <http://www.arrlmidwest.org/>