



K9MCE Officers:

- President: Mark Lewis, KD9EFO
- Vice-President: John Nalezty, KD8KVO
- Secretary: Mark Kerhlikar, WD9HBF
- Treasurer: Tim Coonrod, KC9HQA
- Trustee: Skp Riba, WS9V
- Board of Directors:
- Mark Osborn, WA9SXX
- Bill Ogle, W9FJ
- Jim Pitchford, N9LQF
- Ron Ochu, KO0Z
- Webmaster: Isaac Pizzo, WX9SRV

Macoupin County ARC
129 East First Street
PO Box 253
Carlinville, IL 62626-0253

Inside this issue:

ARES Update 3

Beaver Dam Dash 3

SET: Fractured Prairie 4

Flu Clonic 4

Happy 150th 5

Multi-band dipole ant with traps 8

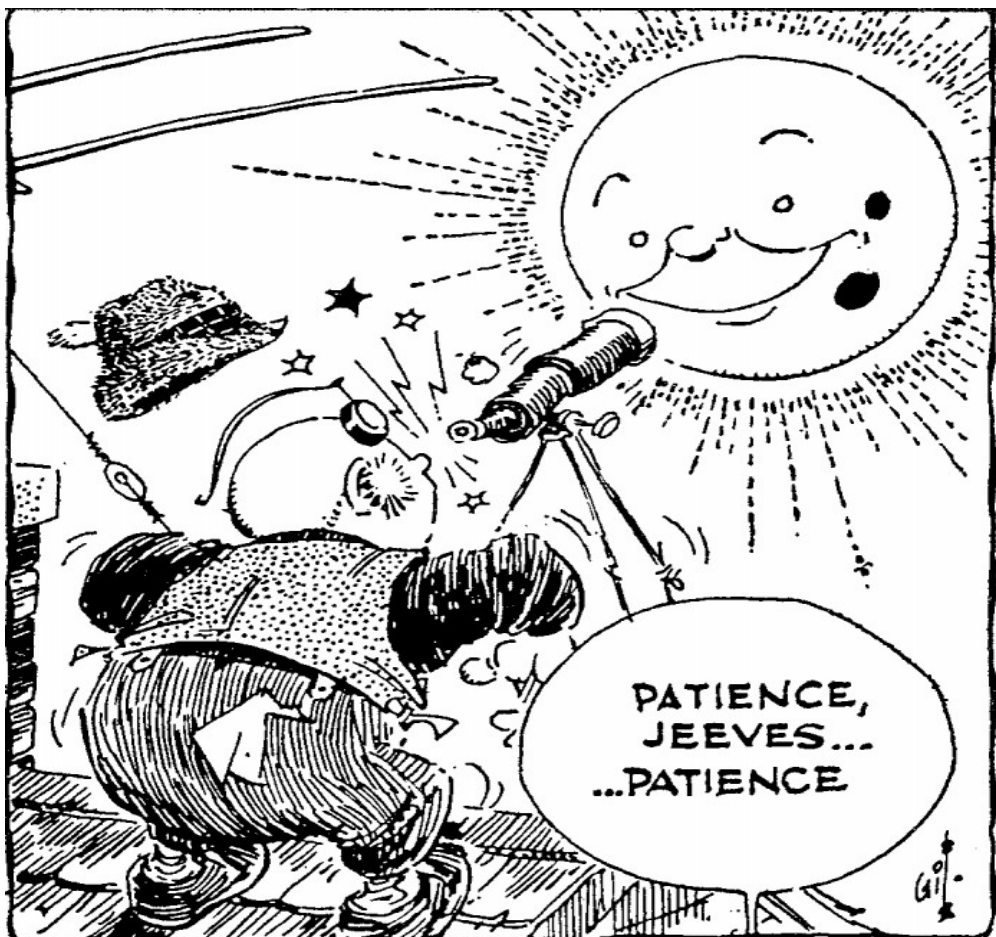
Auxcomm Lite Class 11

K9MCE QSN

Volume 7, Issue 9

September 2019

K9MCE Club Meeting on Wednesday 4 September



Waiting for Solar Cycle 25

Mark your calendars now and plan on attending this month's meeting of the Macoupin County Amateur Radio Club at 7:00 pm on Wednesday, September 4th. We meet on the second floor of the Macoupin County Sheriff Department, 215 S. East Street, Carlinville, IL 62626. Prior to the club meeting the

club has an informal dinner gathering, this month, at the Reno's Pizza in the Carlinville square starting around 5:00 pm.

The program, this month, hasn't been determined by press time.

After the business meeting, FCC VE testing is offered. Call Lou, K9LL for an appointment @

618-977-4658. Be sure to bring a copy of your license, some pencils and a non-programmable calculator.



K9MCE TRY GRIDS HONOR ROLL

Try Grids Certificate Of Achievement

This certificate is awarded to

Your name
Your Call



In recognition of making two way
communications using VHF/UHF
simplex frequencies with three grid
squares.



Signature K9MCE President

Date

Signature K9MCE Award Chairperson

Date

*“These club
members earned
the Try Grids
Award and are
Honor Roll
members.”*

Wayne, KC9ZYQ is in
EM58 and Dirk, W9OSI is
in EM49 and these gentle-
men are available for VHF
skeds for those working for
the Try Grids Award

HONOR ROLL MEMBERS:

Jim Pitchford, N9LQF
Mark Kerhlikar, WD9HBF
Jeff Naville, KC9WZO
Paul Durand, KC9YCP
Ed Kallbrier, KC9QHJ
Bill Ogle, W9FJ
Skip Riba, WS9V
Mark Lewis, KD9EFO
Lou Bartels, KC9YFU (K9LL)
Debbie Ochu, KC9ULA

Dave Reynolds, WA9OEX

Judy Reynolds, KA9ACM

Ron Ochu, KO0Z

The K9MCE Try Grids Award
was established two years ago
to encourage Macoupin County
ARC club members to experi-
ence the joys of VHF/UHF
communications. Members are
encouraged to learn more
about VHF/UHF propagation,
antennas and coax and to im-

prove their stations. Towards
that end the award was created
and the goal is to successfully
establish two-way VHF/UHF
contacts either from your
QTH or mobile with amateurs
in three grids. More infor-
mation pertaining to grids can
be found at this ARRL
webpage: [http://www.arrl.org/
grid-squares](http://www.arrl.org/grid-squares) QSL cards con-
firming the Qs need to be pre-
sented to the committee and
then you, too, will be eligible
for this prestigious accolade at
a club meeting and to have
your call inscribed in the



Macoupin County ARC Mission Statement

We, the undersigned, being desirous of securing for ourselves the pleasures and benefits of the association of persons commonly interested in Amateur Radio, by promoting civic interest, specific application, social activities and developing individual efficiency, while improving the general interest in amateur radio, do ordain and establish this Constitution and By-Laws of the Macoupin County Amateur Radio Club Inc., a non-profit corporation. We do further agree that in pursuit of these purposes, this organization shall be non-sectarian, non-partisan and that it shall lend neither support or influence to any political party or candidate for office. The Macoupin County Inc., shall afford all persons, regardless of race or creed an equal opportunity to join, participate, hold office and enjoy in the benefits of this organization and the challenges of amateur radio.

Tri-County ARES Update

Macoupin, Montgomery and Greene counties ARES held its quarterly meeting on Saturday, August 10. The ARRL is working on aligning ARES with the current FEMA NIMS system and an ARES Emergency Communicator task book was created. There are now three ARES tiers, Level 1, 2 and 3. Each level builds upon the skills in each one.

Macoupin County: No word yet on the progress of Carlinville Area Hospital in obtaining a ham radio station. Montgom-

ery County: EC Mark Lewis KD9EFO and ARES member Dan KD9LON are closely working with EMA Director Greg Nimmo. The county has a very active Search and Rescue squad. Work continues on ham radio stations in local hospitals.

Greene County: EC Jeff Naville KC9WZO wasn't able to attend the meeting, but reports that he had a poor response to his postcard campaign to recruit existing hams into an ARES program. Jeff has

had luck meeting with county officials and making them aware of ARES.

Ham Cram: Both Greene and Montgomery counties are offering a day and a half Technician License class entitled "Ham Cram" The classes will be held concurrently on Thursday evening September 12 and all day Saturday, September 14.

SET: Fractured Prairie, October 25-26, "Big exercise with lots of moving pieces." Injects, etc.



Beaver Dam Dash in November

Thinking about trying something new in ham radio? Thinking about developing or tweaking your public service related communications skills? Looking for a fun, low-key public service related event?

The Beaver Dam Dash on Saturday, November 9th is just the event for you! The event is usually done before noon and afterwards we go get lunch at a restaurant in Carlinville.

Typically, we need six hams with HTs, but we could use more hams along the 5K and 7K route throughout the state park.

The running club appreciates our club providing communications and the runners are glad that we volunteer our time and equipment to add to the efficiency and safety along the course. The running club is a great family, health oriented club!



*"Join us for the
Beaver Dam
Dash!"*

Your ARRL Central Division Contacts:

Director: Kermit Carlson; w9xa@arrrl.org 630-879-0983

Vice Director: Carl Luetzelschwab, K9LA, k9la@arrrl.org; 260-637-6988

Illinois Section Manager: Ron Morgan, AD9I, AD9I@comcast.net



SET: “Fractured Prairie” in October



SET is an acronym for Simulated Emergency Test. We had a SET in spring and soon it will be time for the IL fall SET on October 25-26, 2019.

The IL fall SET entitled “Fractured Prairie in October” will involve quite a few moving parts on the federal, state and local levels.

As radio amateurs it is our duty to be prepared for an emergency eventuality. According to FCC Part 97.1 rules: (a) Recognition and enhancement of the value of the amateur service to the public as a voluntary

noncommercial communication service, particularly with respect to providing emergency communications.

That means as FCC licensed radio amateurs, we need to prepare. Hence the need for simulated emergency tests.

The SET’s real purpose is to identify not only our successes, but even more importantly, our failures as well. The next after identifying any failures is to take steps to mitigate them and to improve on any successes.

Although plans at our county level are in the early stages, we do plan to activate Macoupin county’s two hospitals and to get every corner of the county on the air. We will have interjects as part of our involvement.

**EMERGENCY
RESPONSE
SIMULATION**

*September is
National
Preparedness
Month.*



Imagine my surprise when I opened an email from PayPal with the title, “Are You Prepared for a Disaster? The email went on with, “It’s National Preparedness Month. To help you and your family be prepared, we’ve compiled tips

for American Red Cross, Direct Relief and Save the Children.”

PayPal’s first tip: Make a Plan. Familiarize yourself with community shelters, evacuation routes and the types of disasters most likely to affect your area.

Pack a Kit: Keep you and your family safe with an emergency kit that’s ready for anything.

Donate to Charity: Support

trusted disaster relief organizations through PayPal Giving Fund. 100% of donations made to PayPal Giving Fund go to charity, no deductions, no fees.

PayPal also offers a link for further preparedness information <https://www.paypal.com/stories/us/prepare-to-be-prepared-how-to-plan-for-a-natural-disaster>

Macoupin County Flu Clinic Date Set

Macoupin County



Public Health Department

Macoupin County Public Health Department set **Wednesday, October 9th** for its annual flu clinic this year. In the past,

K9MCE has helped with communications. The Flu Clinic takes place at the county fairgrounds and visitors are di-

rected along a route that eventually leads to the Bates Building where the shots are administered.

Club members provide communications to ensure a safe, efficient traffic flow is maintained. Of course, we need your help! Even if you can only volunteer an hour that will be helpful. All you need is a lawn chair, water and a radio. More details will be coming next month.



Happy 150! Hiram Percy Maxim



HPM was born on September 2, 1869.

Hiram Percy Maxim, HPM, the co-founder of the ARRL turns 150 years old this month. Maxim's life is an interesting read, but equally noteworthy is his contributions to humankind. His enthusiasm for ham radio and his willingness to share his passion contributed directly to the forming the ARRL and the Amateur Radio Service.

Today, the ARRL is the leading advocate for the Amateur Radio Service on Capitol Hill in Washington, D.C. The ARRL and the Amateur Radio Service has a long, proud history beginning with co-founders, Hiram Percy Maxim and Clarence D. Tuska. Tuska was born on



ARRL Co-founder Clarence D. Tuska

August 15, 1896 which marks his 123rd birthday.

HPM's birthday, a 150 years ago, is an ARRL milestone. Consequently, the ARRL is having a "Happy 150! The Hiram Percy Maxim Birthday Celebration!"

Hopefully, the ARRL will celebrate another milestone with the 125th anniversary of co-founder Clarence D. Tuska.

In the meantime, the ARRL has big plans to mark the 150th birthday of HPM and as ARRL members we can participate!

From the ARRL website: "As we have done with earlier birthday milestones, ARRL is again holding an operating event to celebrate HPM's legacy." Objective: This operating event is open to all amateurs, and the goal is straightforward: Find stations operating in the event, many adding "/150" to their call signs, and contact as many as possible during the 9-day celebration on each of the event bands (using any/all of the 3 event modes on each band).

Time Period: The 9-day event begins 0000 UTC August 31 and runs until 2359 UTC September 8, 2019.

Eligibility: All amateur stations may participate.

Who is eligible to use their "callsign/150"? WIAW and ALL ARRL members are eligible and will append /150 to their call sign during this event (this includes DX Stations who are ARRL members, who may operate as callsign/150 if permitted by the regulations of their country of license). Exchange: All W/VE stations send RST and their ARRL/RAC Section; DX stations send RST and "DX".

Bands: All Amateur Bands LF/HF/VHF/UHF/SHF/Microwave/Light (excluding 60, 30, 17 and 12 meters).

Modes: Three (3) mode groups will be recognized in the event:

CW

Phone (any/all voice modes count as "Phone")

Digital (any/all digital modes count as "Digital")

QSO Points:

3 points per

QSO: Contacts with WIAW/150 will earn 3 points per QSO;

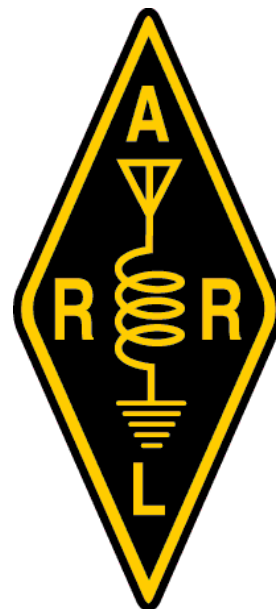
2 points per QSO: Contacts with any ARRL member will earn 2 points per QSO - these stations will also identify as callsign/150:

1 point per QSO: Contacts with non-members (ie, those not mentioned above) will earn 1 point each, and will identify with callsign only (no additional / number will be used).

There are also bonus points available by contacting WIAW/150, QRP operation, using social media, 20 or more portable QSOs, and making 150 QSOs.

For more detailed rules and information please see the ARRL website page at: <http://www.arrl.org/hpml50-birthday-celebration>

This is a fun, operating event. One that our club, K9MCE can participate in and make it a fun celebration. Let's see how many HPM QSOs we can make by club meeting time! Let's swap our favorite HPM QSO tales such as most distant Q, or the one that got away, etc!



**HPM
Celebration
The 9-day
event begins
0000 UTC
August 31
and runs until
2359 UTC
September 8,
2019.**

Preoccupied with DMR

By Ron KO0Z

Perhaps, you've noticed that this issue of K9MCE QSN is smaller than usual. There are a couple of reasons. For one, there's been a lull in club events to report on for the newsletter. Secondly, your editor became engrossed trying to get his MMDVM hotspot to function. As a consequence, I've spent less time devoted to the newsletter this month.

What is a MMDVM hotspot? In the world of digital radio a hotspot is a modem equipped with a transmitter and a receiver to connect a digital radio to the internet when a digital repeater is not available. The hotspot can connect to the internet and to other repeaters or radios connected to the internet via two methods. One is by connecting to your home QTH's WiFi system. The other is via your cell phone that has a data plan. So, like a repeater that extends the range of an HT or mobile radio, a hotspot allows an HT to have world-wide coverage. At this year's Dayton Hamvention, I purchased a TYT MD 380 DMR HT. I don't have a lot invested in it, but it does allow me to participate in and to learn more about the digital world. Although John King's DMR repeater near Greenville has excellent coverage, at times, I am sketchy into his repeater. I need to boost my 70cm vertical polarization gain. In the meantime, a hotspot would give me more reliable coverage. So, I ordered on off of Ebay and its only now that I've found time to play with it.



MMDVM hotspot for DMR

The one I purchased uses a Raspberry Pi Zero microprocessor and it comes equipped with WiFi and Bluetooth. So far, in attempting to get this to work, I've been way behind the "learning curve." First, I needed to get a micro SD card and to flash an image on to it. An image is another name for the computer program. The program is accessed through a "dashboard" which equivalent to a set-up page in a Windows program.

I've looked at a lot of YouTube videos and a lot of papers on how to flash the card and to install it into the MMDVM hotspot. I'm not in a big hurry, so the learning process hasn't been painful. Frustrating at times, but not painful resulting for time and pressure constraints.

I found out the most challenging step in the MMDVM set-up process, according to videos and articles is to get the device working with your home WiFi system. The big take away, I discovered is to program the internet

connection on the dashboard first before doing anything else. That small bit of information is critical. It's importance is not highlighted. If it isn't done, for some reason any changes on the dashboard are saved, but are not fully functional.

After X to the power of N videos and articles, I now have my hotspot operational on the internet, but I don't have the OLED (Screen next to the antenna) functioning in spite of having the appropriate boxes checked. The OLED or its solder joints could be defective, but the hotspot is not communicating with my DMR HT. The OLED would not keep the unit from working. I can see the same information via the dashboard on my pc connected to the hotspot. Obviously, the modem isn't completely set-up correctly. It could be the modem selection I've checked or a port. I've played with the ports, but no joy there. I suspect I need to fool around some more with the available settings and their sequence. For example, the WiFi internet settings on the dashboard is at the bottom of the dashboard, not towards the top. Generally, we work from the top of the page to the bottom in terms of ranking. Such is not the case with the dashboard, which is fine, if there were clear directions to aid with set-up. Part of the confusion can be likened to programming analog HTs. Each HT brand requires the same repeater information, but their individual key-boards and memory names and locations are different in each one. It takes a bit of time and head scratching to figure it out.



The micro SD memory card (red/white card) next to the USB adapter used to flash a Raspberry Pi "image."

So, at this point, I'm not ready to throw in the towel or to dismiss my hotspot as defective. I suspect, I don't have the settings and the sequencing in correct order. A lot of this can be attributed to my lack of understanding as to the inner workings of the Pi Zero operating system and the hardware interfacing. But I am learning, slowly, but

Illinois QSO Party



The Western Illinois Amateur Radio Club W9AWE -- W9OAB sponsors the Illinois QSO Party. Unlike most state QSO parties that operate an entire week-end; the IL QSO Party lasts for 8 hours beginning at 17:00 Z on Sunday, October 20th and ending at 01:00 Z on Monday, October 21. In other words, local time, the contest begins Sunday, October 20th at noon and ends at 8 pm on Sunday, October 20th. Weird start and finish times, but it is what it is.

The QSO party's objective is for Illinois hams to make as many QSOs with other Illinois stations, other states and DX on 160 through 2 meters **except** for 60, 30, 17 and 12 meters.

Exchange: IL stations give RST and county; others give RST and state, province, or country. Scoring: Count 1 point per phone QSO, 2 points per CW/digital QSO. No repeater QSOs. All stations are limited to one transmitted signal at a time. SO2R operation is permitted. Stations may be worked once per band and mode (phone and CW/digital), and once per band/mode/county for IL Mobile and Rover stations. Each Mobile or Rover vehicle is considered one station and must use only one call. Contacts with/by stations at the border of 2 counties count as 2 counties and 2 QSOs; the border of 3 (or 4) counties count as 3 (or 4) counties and 3 (or 4) QSOs. IL stations multiply points by the sum of states, IL counties, VE provinces, and a maximum of 5 DXCC countries (for this event W/K, Alaska, Hawaii and VE do not count as DX entities). Count additional DX for QSO points but not for additional multipliers. Non-IL stations multiply points by number of IL counties worked.

Entry Classes:

Illinois Fixed Station, High Power: Permanent station location, single county, with a transmitter output power level exceeding 200W PEP.

Illinois Fixed Station, Low Power: Permanent station location, single county, with a transmitter output power level not exceeding 200W PEP.

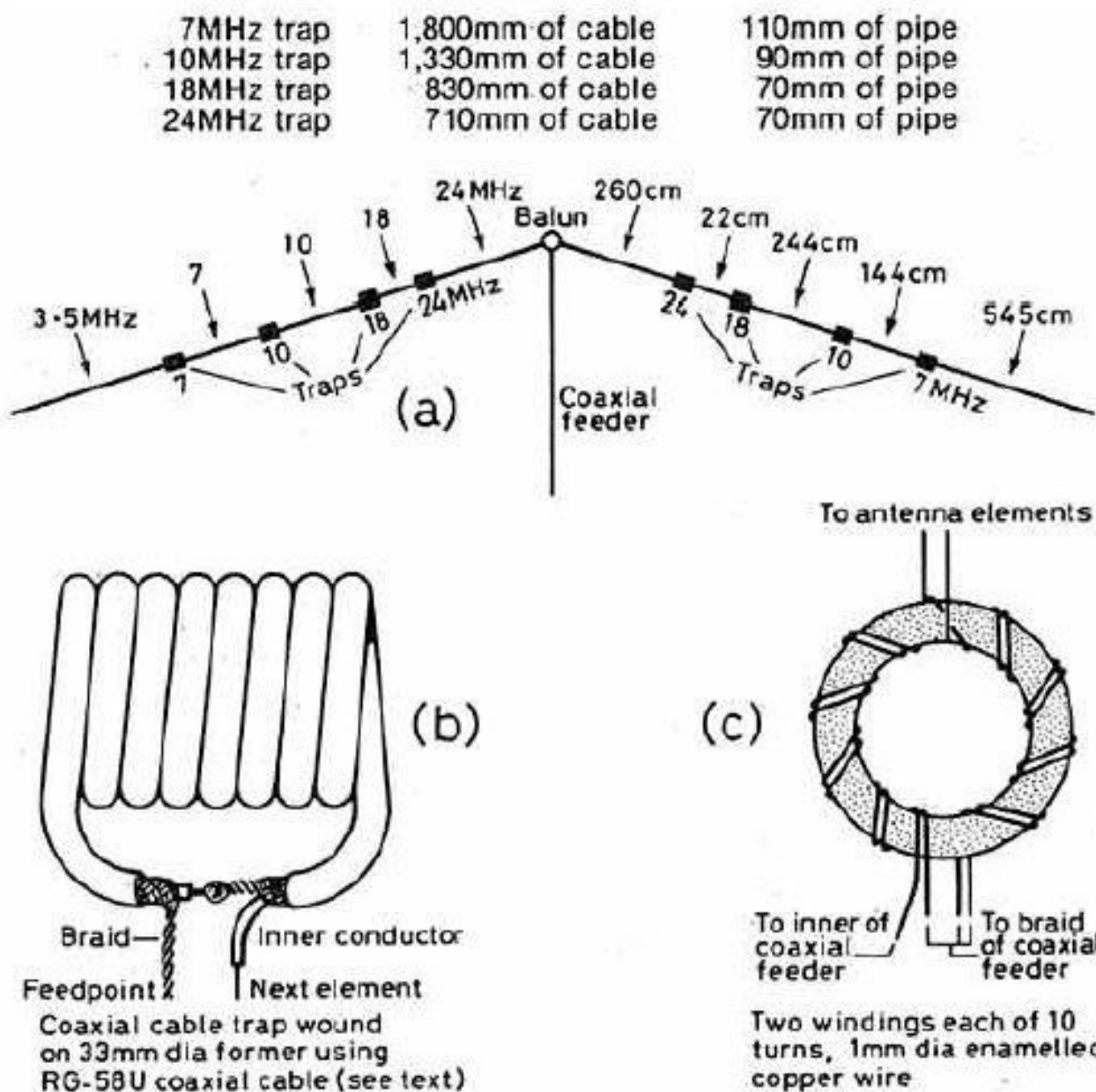
Illinois Portable: Not a permanent station location; antennas erected for the purpose of the contest; may be on a county line or corner. (Note: County lines established by waterways may not be activated in the ILQP.)

Illinois Mobile: Stations capable of motion while operating though may be stationary. Entrants are encouraged to utilize a separate driver and to choose operating procedures with safety uppermost in mind! Mobile entrants may operate from only one county at a time. Simultaneous operation from more than one county will result in reclassification to "Rover" category. **Illinois Rover:** Stations operating from more than one non-permanent location. Single county, county line and county corner operation is permitted. Any type of mobile or portable antennas may be used. Any power source may be used (auto, generator or commercial mains). Rover stations may operate while moving or stopped.

For more information go to the W9AWE website: <http://www.w9awe.org/ILQP%202019%20Rules.pdf>



Multi-band HF dipole with traps



"WARC-bands" trapped dipole by VK5BI covers 3·5, 7, 10, 18 and 24MHz. Element lengths shown on the right, while the corresponding bands are shown on the left. (b) Details of coaxial cable traps. (c) Winding details for optional balun

<http://www.qsl.net/va3iul>



QSL CARD CORNER

Every month, I'd like to feature a QSL card that has an interesting story. It could be your very first QSL card ever received and the card may commemorate a 2 meter QSO with a ham two blocks away! It could be your very first CW or SSB QSO. Maybe, your first DX QSO. Contact Ron KO0Z with your QSL card information and get it included in a future issue of K9MCE QSN!

KO0Z made contact with N7S on April 18, 2017 to commemorate the first space shuttle launch. Columbia was the very first shuttle launched into Earth orbit.

The second QSL card was made with John King, W9KXQ and Ken Norris KK9N of the Okaw Valley ARC AD9OV on their Sint Maarten Island DXpedition on June 17, 2017!





Introduction to Auxcomm

4 hour course covering the basics of Auxiliary Communication

Developed by

Illinois Emergency Management Agency

Illinois Amateur Radio Emergency Service

Illinois Law Enforcement Alarm System

Instructors: Jim Pitchford N9LQF and Bob Evans AA9FQ

ICS Courses 100 and 700 are **STRONGLY** encouraged as prerequisites

Courses are free and available online at: <https://cdp.dhs.gov/femasid>

Two opportunities:

September 28 9am Macoupin County EMA Carlinville

Registration required by September 3 AA9FQ@ARRL.NET

October 19 9am Madison County EMA Wood River

Registration required by September 30 AA9FQ@ARRL.NET

What is AUXCOMM ?

AUXCOMM is not a replacement for ARES, RACES, MARS, Amateur Radio organizations

AUXCOM IS: An umbrella for trained volunteer communicators to assist the Communications Unit to a specific incident or planned event.





PEORIA SUPERFEST September 21-22, 2019

Exposition Gardens 1601 W. Northmoor Rd. Peoria IL
Amateur Radio and Accessories / Electronics Show - Saturday & Sunday



"100 years of PAARC Celebration!!!!"

Peoria Area Amateur Radio Club turns 100 years old in 2019 and we want you to come celebrate with us!!

We will also be hosting the Illinois State ARRL Convention.

Outdoor Flea Market Spaces

First space is \$10 (Approximately 20'x20') \$5 for each additional contiguous space for same vendor. *Flea Market Spaces always available at the gate.*

Hours

Friday: Set-up Day: 1 PM-7 PM
Saturday: Flea Market: 6 AM - 4:00PM,
 Indoor vendors: 8 AM - 4 PM
Sunday: Flea Market: 6 AM - 1 PM,
 Indoor Vendors: 8 AM - 1 PM

Great Hourly Prizes

Sat & Sun, starting 9 AM, Unclaimed hourly prizes redrawn Sunday, after GRAND prize drawing at 1 PM. (Grand Prize Ticket Holder need not be present)

Order Flea Market Spaces/Advance Tickets

On-Line with PayPal® (or with MasterCard, VISA or Discover)

Indoor Commercial Vendors

See website or write: Commercial Exhibits,
 PAARC, P.O. Box 3508, Peoria, IL 61612-3508
 Or, e-mail w9uvi@arrrl.net, Info Line: 309-453-9331

Saturday - Forums (Check www.w9uvi.org for schedule) **FCC Testing, 1:30 P.M. - 3 PM**
 Sunday - Go-Kit Competition, High Altitude or Pico Balloon Launch

Talk-in 147.075 (+) 156.7 CTCSS

Running of personal recreation conveyances (examples are, but not limited to mopeds, go-carts, motorized bicycles, ATV 3 and 4 wheelers) powered by internal combustion engines will not be allowed on Exposition Gardens property during Superfest 2017

Orders for Advance Tickets and Flea Market Spaces should contain a #10 SASE and must be received by Sept. 10, 2019. Make checks payable to Peoria Superfest. Mail to Peoria Superfest, POBox 3508, Peoria, IL 61612-3508. Each request should include your complete name and address, call sign, the number of tickets @ \$7.00 each and/or the number of spaces needed. Flea market spaces are \$10 for the first space and \$5 for each additional contiguous space. Each space is 20' X 20'

Tickets are good all weekend!! Advance Tickets \$7 (2 prize stubs) Gate Tickets \$10 (1 prize stub)

Children 12 and under free!



28th Annual Halloween Hamfest

Saturday October 26, 2019
Kirkwood Community Center



111 S Geyer Road, Kirkwood, MO



Doors open at 7:30 AM – Hourly prize drawings
Main drawing 12:00 PM Prizes #1-\$300 #2-\$200 #3-\$100 #4-TBA
Talk-in 147.150 rpt r pl=141.3 --- GPS 38.34.848N x 090.25.004W

<u>TABLES</u>	<u>FOOD</u>	<u>TICKETS</u>
\$15.00 for Private no electric \$15.00 for Vendor or electric 100 tables Reserve early!	Breakfast Made To Order Best Food in the Midwest VE Exams at 8:30AM	In Advance \$4.00 or 3 for \$10.00 At the Door \$7.00 or 2 for \$12.00 Plenty of Free Parking

For more information see; www.halloweenhamfest.org
 Table orders **Janelle Brisbine** [n0mti.jh@gmail.com](mailto:n0mti.n0mti.jh@gmail.com)
 General questions Steve Welton W0SLW 314-941-8500




WINTERFEST 2020

* JAN 25th * GATEWAY CONVENTION CENTER * 8 AM - 4 PM *

winterfest.slsr.org

* FRIDAY JAN 24th DX & ARRL BANQUET *

* SATURDAY JAN 25th CONTEST COLLEGE *








Steve O'Dell LUTCF
145 E. Jackson St., Virden, IL 62690
217-965-5888
Annuities, Auto, Financial Planning,
Home, Life & Mutual Funds

Longtime supporter of the West Central Illinois Hamfest!

K9MCE QSN Contact Information:

K9MCE QSN is a monthly publication of the Macoupin County Amateur Radio Club. Our club meets on the first Wednesday of the month at 7:00 pm on the second floor of the Macoupin County Sheriff Department in Carlinville, IL

Editor: Ron Ochu, KO0Z. ronochu.sky@gmail.com

Repeaters: 444.250 (103.5 pl); 146.865 (103.5 pl).

Website: www.k9mce.org

Webmaster: Isaac Pizzo, WX9SRV

Testing: Lou Bartels, KC9YFU, 618-977-4658



Macoupin County
Amateur Radio Club
P.O. Box 253
Carlinville, IL 62626-
0253

K9MCE September 2019

Sun

Mon

Tue

Wed

Thu

Fri

Sat

1 Okaw Valley ARC Net@9:00 pm, 444.250 N9MAF Net 146.805 @ 9 pm	2 Lewis & Clark ARC, K9HAM 8 pm 145.23 (79.7) W9VEY Memorial Net @8:30 pm, 146.820	3 Old Capital ARC, Vandalia, 146.745, 88.5 pl, 8:00 pm	4 Club meeting 7 pm 	5 SSB NET 144.200 7:30 Macoupin County ARES Net, KO0Z net control 147.480 MHz simplex @ 8pm K9MCE Club net, WD9HBF Net Control, 444.250 @8:30 pm	6	7
8 Okaw Valley ARC Net@9:00 pm, 444.250 N9MAF Net 146.805 @ 9 pm	9 Lewis & Clark ARC, K9HAM 8 pm 145.23 (79.7) W9VEY Memorial Net @8:30 pm, 146.820	10 Old Capital ARC, Vandalia, 146.745, 88.5 pl, 8:00 pm	11	12 SSB NET 144.200 7:30 Macoupin County ARES Net, KO0Z net control 147.480 MHz simplex @ 8pm K9MCE Club net, WD9HBF Net Control, 444.250 @8:30 pm	13	14 ARRL VHF Contest
15 ARRL VHF Contest Okaw Valley ARC Net@9:00 pm, 444.250 N9MAF Net 146.805 @ 9 pm	16 Lewis & Clark ARC, K9HAM 8 pm 145.23 (79.7) W9VEY Memorial Net @8:30 pm, 146.820	17 Old Capital ARC, Vandalia, 146.745, 88.5 pl, 8:00 pm	18	19 SSB NET 144.200 7:30 Macoupin County ARES Net, KO0Z net control 147.480 MHz simplex @ 8pm K9MCE Club net, WD9HBF Net Control, 444.250 @8:30 pm	20	21 ARRL 10 GHz & Up Contest, ARRE EME Contest Peoria Superfest
22 ARRL 10 GHz & Up Contest, ARRE EME Contest Peoria Superfest Okaw Valley ARC Net@9:00 pm, 444.250 N9MAF Net 146.805 @ 9 pm	23 Lewis & Clark ARC, K9HAM 8 pm 145.23 (79.7) W9VEY Memorial Net @8:30 pm, 146.820	24 Old Capital ARC, Vandalia, 146.745, 88.5 pl, 8:00 pm	25	26 SSB NET 144.200 7:30 Macoupin County ARES Net, KO0Z net control 147.480 MHz simplex @ 8pm K9MCE Club net, WD9HBF Net Control, 444.250 @8:30 pm	27	28 CQ WW RTTY DX contest Auxcomm light class Macoupin County
29 CQ WW RTTY DX contest Okaw Valley ARC Net@9:00 pm, 444.250 N9MAF Net 146.805 @ 9 pm	30 Lewis & Clark ARC, K9HAM 8 pm 145.23 (79.7) W9VEY Memorial Net @8:30 pm, 146.820					

Nets