



Madison County Amateur Radio Club

QSO

www.w9vcf.org

March 2022



Next meeting will be March 7th, at 7pm at the EOC at 200 N Delaware St, Anderson.



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From the President -

Hello everyone. We had a great meeting in February looking forward to the March meeting. Don't forget to mark on your calendar for the storm spotter training March 15th and bring a friend. Other activities are listed in the newsletter 73s Lew.

MCARC - Minutes of Regular Meeting

February 8, 2022

Location: EOC, 200 N. Delaware St. Anderson, IN 46016

President Call to Order:

President Lew - K9LBB called the meeting to order at 7:00 PM.

President Comments:

Thursday morning Donut meetings are reinstated. Lew stated we are changing the financial account from a savings to a checking account as had been previously approved by the membership. Members suggested checking out Star Bank as that is where the Anderson Repeater Club has their account. Terry - N4TZ suggested a no fee account. Lew directed Secretary/Treasurer Ike - N9IKE to query Star Bank. As to a member question about a Silent Key plaque for Tim - KC9GBL, Lew stated it has already been made.

Show and Tell:

New Member Steve - K9SJH gave a well-received presentation on Ham Digital modes and operation. Tom - KD9ISO showed his neat HF/VHF Go Box crafted from a surplus Army container.

New Correspondence:

Application for Membership from Steven Harney - K9SJH (General Class) of Anderson Indiana. Approved by membership vote.

Treasurers Report:

Ike - N9IKE stated Dues are due and thanks to seven members who paid tonight. He had checked with Madison County FCU as to opening a new checking account and they require a \$500 continuing balance to avoid any fees.

Beginning balance as of 12/31/21 (no Jan 2022 meeting)	\$ 2,098.79
Pending Expenditures	\$ 0.00
Dues received	\$ 140.00
Ending balance as of 02/07/22	\$ 2,238.79

Vice-President:

Tim - KD9PSR said nets are going well. Volunteers are still being accepted to run the nets.

Media/Newsletter/Awards:

Gary - W9GNR asked if everyone was getting the newsletter. If not check with him. He also mentioned the for sale list. If you have anything for sale, get the info to him.

ARES:

Gary - W9GNR stated members had volunteered 184 hours and there were 9 nets with no activations in January.

Trustee:

Mark - W9MWM No report.

Activities:

Paula - KD9SZJ mentioned the 15 March Storm Spotter training at Anderson University and the Open House in April.

Tech Committee:

Doug - N9DR/Jon W2VZ members mentioned Doug is traveling in Florida.

EMA:

Jeff - K9DYR stated we survived the storm and that materials are in for Outreach.

New Business:

Motion to accept new applicant Steve - K9SJH passed.

Old Business:

Jeff - K9DYR stated he will get with Mike - KC9DJU in the next couple of days to close out the club bank account.

Sick Report:

No comments.

Attendance:

There were 19 members present.

Adjournment:

President Lew - K9LBB concluded the meeting at 8:05 PM.

Technical Committee:

HamCation

I attended HamCation in Orlando this month. It was sure nice to be at a large Hamfest again. Attended several interesting forums. A few vendors were not present, but overall was well attended. Took advantage of the "Cation" portion and ate at great restaurants at Orlando Icon Park, City Walk at Universal, and Disney Springs.

It's a good event, and a great excuse for a vacation :) !

Doug N9DR/4

See you at the next meeting.

THE EC SHACK

Gary-W9GNR

A.R.E.S. - INTRODUCTION

By now most of you are aware of the term ARES, but what is ARES? Actually it is an acronym [A.R.E.S.] which stands for Amateur Radio Emergency Service. The name sounds impressive and the operation is quite impressive.

A brief history

Ham radio might be considered a precursor to the social media of today. This form of communication dates back to the 1890s. It wasn't until 1912 when the Radio Act was passed, granting federal licensing to ham radio stations. Ham radio stations today are regulated by the United States Federal Communications Commission. In 1935, the Amateur Radio Emergency Service (ARES) was established by the American Radio Relay League. Licensed amateur radio operators belong to the ARES, having registered their equipment and qualifications to be ready to assist the public in the event of a disaster. The Radio Amateur Civil Emergency Service was established in 1952, serving as a civil defense radio service that activates in emergencies. Following Federal Emergency Management Agency protocols, ham radio operators have authorization to transmit during emergencies after the president invokes these powers.

After World War II, it became evident that the international situation was destined to be tense and the need for some civil-defense measures became apparent. Successive government agencies designated to head up such a program called on amateur representatives to participate.

In the discussions that followed, amateurs were interested in getting two points across: First, that Amateur Radio had a potential for and capability of playing a major role in this program. And second, that our participation should be in our own name, as Amateur Radio Service, even if and after war should break out. These principles were included in the planning by the formulation of regulations creating a new branch of the amateur service, the Radio Amateur Civil Emergency Service or RACES.

Recognition of the role of Amateur Radio as a public service means responsibility. Every amateur should have access to current version of the FCC rules and regulations for Amateur Radio [Part 97], which includes the Amateur-Satellite Service and the Radio Amateur Civil Emergency Service. RACES could be the only part of Amateur Radio allowed to operate if the President invokes the "war powers" granted him by the Communications Act.

"Upon proclamation by the President that there exists war or a threat of war, or a state of public peril or disaster or other national emergency, or in order to preserve the neutrality of the United States, The President, if he deems it necessary in the interest of national security or defense, may suspend or amend, for such time as he may see fit, the rules and regulations applicable to any and all stations or devices capable of emitting electromagnetic radiations within the jurisdiction of the United States as prescribed by the Commission, and may cause the closing of any station for radio communications..."

We will discuss RACES in more depth in later issues.

“The Amateur Radio Emergency Service [ARES] consists of Amateur Radio licensees who have voluntarily registered their qualifications and equipment for communications duty in the public service when disaster strikes. Every Licensed amateur, regardless of membership in ARRL or any other local or national organization, is eligible to apply for membership in ARES. Training may be required or desired to participate fully in ARES. The Local ARES Emergency Coordinator can provide specifics. Because ARES is an Amateur Radio program, only licensed amateurs are eligible for membership. The possession of emergency- powered equipment is desirable but is not a requirement for membership.”

The above quote comes straight from the ARES Manual. In Madison County, the Communications Division has primary [lead] responsibility for providing for the communications needs of Madison County Emergency Management and local government. This falls within the mission of RACES. Many members of the Communications Division are also members of ARES, but their primary obligation is to the County organization. ARES members not a part of EMA are viewed as a “communications resource” as defined in the County Communications Plan to be utilized as necessary to accomplish the overall mission. As necessary the Emergency Management Staff will request the County ARES EC [Emergency Coordinator] to provide additional communications resources. The EC can as needed request additional qualified resources from other Counties.

What is Radio Service?

A radio service is a categorization of users of the radio spectrum that have a common specific radio communications purpose. Examples include the Broadcasting Services, the Aeronautical Mobile Service, the Land Mobile service, the Maritime mobile service and of course, the Amateur Service. The word “Service” in ARES’ name has a different meaning than the “Service” in RACES. The meaning of “Service” as used in ARES is consistent with the meaning of public service – actions carried out with the aim of providing a public good. RACES is an FCC-regulated radio service. ARES is an organization of individuals who apply specialized telecommunications skills for a public good.

The Amateur Radio Services comprise the Amateur Service, the Amateur-Satellite service and the Radio Amateur Civil Emergency Service. Most amateur activity is conducted in the Amateur Service. A person doesn’t join the Amateur Service, they get a license and operate in that service in accordance with the applicable rules. When an Amateur communicates via one of the many Amateur satellites, they don’t join the Amateur-Satellite service, they operate in that service according to the applicable rules.

Send comments or questions to W9GNR@arrl.net

Quote of the Month

"I have been frankly fascinated with that unpaid group of people with those ham radios, the Amateur Radio Emergency Service (ARES) makes available a wireless system that seldom if ever can be totally disrupted by a disaster -- ham radio operators are the heart, the soul and the life blood of that system." -- *The Hon. Mayor Willie Brown, Mayor of San Francisco (1996-2004)*

THE EC SHACK

Gary-W9GNR

Some New Rules Going into Effect this Year for ARRL Field Day 02/09/2022

After taking a few detours over the past couple of years due to the COVID-19 pandemic, [ARRL Field Day](#) rules are being updated on a permanent basis starting this summer. ARRL conducted a Field Day community survey with invitations propagated far and wide, and direct emails sent to more than 15,000 individuals and ARRL-affiliated clubs. After sorting through, reviewing, and discussing the survey results, the ARRL Programs and Services Committee recommended a number of rule changes for ARRL Field Day, which will take place this year over the June 25 – 26 weekend.

Starting this year, the maximum PEP output for a transmitter used by anyone submitting a Field Day log will be 100 W. The power multiplier of 2 will remain in place, and the high-power category will be removed from the rules. Until this year, the maximum low-power limit had been 150 W for most ARRL-sponsored operating events. The power multiplier will remain at 5 for QRP participants running a maximum of 5 W or less. As previously announced, 100 W is now the low-power category limit for all ARRL and IARU HF Contests, effective January 1, 2022.

A couple of changes instituted initially as accommodations for the COVID-19 pandemic will remain. Class D (Home) stations will continue to be able to earn points for contacts with other Class D stations. The club aggregate scoring change initiated in 2020 as a temporary measure will become part of the permanent rules. In the aggregate scoring plan, the scores of individual stations are combined under the score of a single club.

Another change, involving Rule 7.3.2 Media Publicity, has been modified. Rules to date have offered 100 bonus points for attempting to obtain publicity and demonstrating same. With the ease of posting via Facebook, Twitter, Instagram, and various other media websites, Field Day participants will now be required to obtain publicity, not just try to do so. Any combination of bona fide media hits would qualify for the bonus points. For example, posting the details of your upcoming or ongoing Field Day activity, or your Field Day results, on a club or news media site, on Facebook, or via Twitter and Instagram would meet the bonus criteria. Photos and videos are encouraged as part of media posts.

Geomagnetic Storm Leads to Loss of up to 40 Starlink Satellites 02/10/2022

A geomagnetic storm on February 4 “significantly impacted” the launch of some 49 Starlink satellites. The company said the satellites were intended to achieve low-Earth orbits after being sent aloft on a Falcon 9 launcher. Starlink is a satellite internet constellation operated by SpaceX to provide satellite internet access. SpaceX said it initially deploys its satellites into low-Earth orbit so that “in the very rare case any satellite does not pass initial system checkouts, it will quickly be deorbited by atmospheric drag.” All did not go as planned, however.

“Unfortunately, the satellites deployed on February 3 were significantly impacted by a geomagnetic storm on Friday [February 4],” SpaceX announced this week. “These storms cause the atmosphere to warm and atmospheric density at our low-deployment altitudes to increase. In fact, onboard GPS suggests the escalation speed and severity of the storm caused atmospheric drag to increase up to 50% higher than during previous launches.”

The satellites were commanded into a safe mode, where, as SpaceX explained, “they would fly edge-on (like a sheet of paper) to minimize drag — to effectively ‘take cover from the storm’ — and continued to work closely with the Space Force’s 18th Space Control Squadron and LeoLabs to provide updates on the satellites based on ground radars.”

A preliminary analysis showed that the increased drag at the low altitudes prevented the satellites from being moved into higher orbit, and up to 40 of the satellites will reenter, or already have reentered, Earth’s atmosphere.

“The deorbiting satellites pose zero collision risk with other satellites, and, by design, [burn up] upon atmospheric reentry — meaning no orbital debris is created and no satellite parts hit the ground,” SpaceX said.

-FOR SALE-

ITEM	ASKING PRICE	SELLER	CONTACT
HAVE AN HAM RELATED ITEM FOR SALE? ADVERTISE HERE!! E-MAIL w9vcf.mcarc@gmail.com with your Item, asking price and preferred contact info!!			

EVENTS

Every Wednesday	MCARC 2M Net 8:00 PM - 145.390 pl 151.4 Followed by an informal ragchew on 28.465
Every Thursday	Donut Meeting 09:00 AM at the EOC
Every Saturday	Breakfast at Anderson Grill 09:00 AM at 2038 S Scatterfield Rd, Anderson
March 7th	MC ARC Meeting at the EOC 7pm
March 13th	Daylight Savings Time
March 15th	Statewide Tornado Drill
March 15th	Storm Spotter Training, 6pm, Performing Arts, Anderson University
March 13th thru March 20th	Severe Weather Awareness Week

CONTESTS

March 5th thru March 6th	ARRL International DX SSB [arrrl.org/arrl-dx]
March 12 thru March 13th	Oklahoma QSO Party [OK-k5cm.com/okqp.him]
March 12 thru March 13th	Idaho QSO Party [pocatellaarc.com/idaho QSO Party/]
March 29 1600z thru 2130z	National Vietnam War Veterans Day [qrz.com/db/w5kid] 7.250MHZ, 14.250MHZ

Have something to contribute to the newsletter?

- Participated in any recent contest?
- Have an interesting QSO?
- Try an experimental antenna?
- Get a new piece of equipment you'd like to offer a review about?

We'd love to hear about it. You are more than welcome to write a piece about something above or something else you feel worthy of sharing. If you would like to write a piece for the newsletter, please submit your article, along with any pictures that you'd like included to the club email, w9vcf.mcarc@gmail.com.

Also, if you have anything for sale that you would like to advertise in the club newsletter, please send it to the above email.

Thank you, Gary - W9GNR

Madison County Amateur Radio Club Contact Information

Madison County Amateur Radio Club
P.O. Box 3044
Anderson, Indiana 46018

Officer Contact Information

President	Lew Baker	K9LBB	lbj6668@yahoo.com
Vice President	Tim Bailey	KC9PSR	kd9psr@gmail.com
Secretary/Treasurer	Ike Jones	N9IKE	ikester#hrtc.net
Activities	Paula Dixon	KD9SZJ	pdixon46001@yahoo.com
Trustee	Mark Mace	W9MWM	kd9nau@gmail.com
Technical Committee Chair	Doug Rose	N9DR	n9dr@arrl.net
Newsletter Editor	Gary Sherman	W9GNR	gunnarr@att.net

Meetings are at the Madison County EOC
200 N Delaware Street
Anderson, IN 46016

HAMFESTS

WVARA Spring Hamfest & Computer Expo

HAMFEST/CONVENTION

03/12/2022

Start Date: 03/12/2022

End Date: 03/12/2022

Location: Clay County 4-H Fairgrounds

6550 North State Rd 59

Brazil, IN 47834

Website: <http://www.w9uuu.org>

Sponsor: Wabash Valley Amateur Radio Association, Inc.

Type: ARRL Hamfest

Talk-In: 146.685 PL 151.4

Public Contact: Leroy Sedgwick , AC9NF

1616 South 10th St Terre Haute, IN 47802

Phone: 812-249-2503

Email: olsedgwick@gmail.com

Storm Spotter Training

- Want to learn about tornadoes and severe storms?
- Want to keep yourself and your family safe?
- Want to help protect your community during severe weather?
- Learn how Amateur Radio helps to keep our community safe.
 - For more information about Amateur Radio, come to the Emergency Operations Center on Tuesday, 4/5 at 7:00 pm – **ALL ARE WELCOME!** (200 N. Delaware Street, Anderson, IN)



Madison County

Tuesday, March 15th

6:00 pm

York Performing Arts

Anderson University

1100 East 5th Street

Anderson, IN 46012

Open to the public

No cost to attend



Presented by:

National Weather Service, Indianapolis
www.weather.gov/Indianapolis



We are a Storm Ready Community



Sponsored by:

Madison County Emergency Management
And Homeland Security

<https://www.madisoncounty.in.gov/government/emergency-management-agency>