

# SPARKS

Monthly Newsletter of the Tri-State Amateur Radio Society

**Serving the Tri-State for over 70 years**

April 2019 - Issue No. 4



The SPARKS Newsletter is published monthly by the Tri-State Amateur Radio Society as a source of information about Club activities, and general news items of interest to the Amateur Radio community.

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E-mail subscriptions are provided to all regular TARS members.

News contributions and letters/emails to the editor are always welcome.

TARS regular membership is open to all licensed Amateur Radio operators for \$25.00 a year. An Associate membership is also available to those who are interested in Amateur Radio but do not currently hold a license.

Associate membership is \$25.00 a year. Student memberships are also available for \$12.50 a year.

Membership information is available at [www.w9og.net](http://www.w9og.net)

The Tri-State Amateur Radio Society meets the second Thursday of each month at the Red Cross, 29 Stockwell Rd, Evansville IN, at 7:00 p.m.

Family and visitors are always welcome to attend.

For more information, please call or email one of the TARS officers listed in this newsletter.

## Presidents Corner:

Ham Radio is alive and well in IN-KY-IL tristate area! There is so much going on with ham radio, and this spring and summer is jam packed with opportunities to enjoy this great hobby not only in our own shacks, but together as a group. We also have a fair number of new hams who have been licensed for only a year or two. Our club's future depends on and indeed belongs to these younger guys and gals. I need to remind myself of that from time to time because as a longtime ham I tend to get set in my ways, and not accept new ideas and new ways of doing things. I'm working on that, and I ask all of you who have been in this great hobby and/or in our club for a while to stay open and welcoming to our newer fellow hams.

It is great to see newer hams asking questions, making suggestions, who are not afraid to jump in and try things for the first time. Everyone needs to do those things and be open to new ideas and new ways.

The ARRL is always seeking ways to make Amateur Radio more attractive and accessible to the younger generation. These efforts by ARRL are often met with harsh criticism- right or wrong- from long-time hams. I do not want to debate the soundness of these efforts, but I do want to remind us all- me included- that we were ALL newbies at one time, trying new things, doing things wrong at first, but we kept trying and kept learning. Please remember those days when you were just starting this exciting hobby, and reach out to and mentor someone who today is starting that journey. If nothing else, be patient and kind, and provide encouragement whenever you can.

However, to the newcomers to the hobby, you have a responsibility too. That is to learn and find what excites you most about this multi-faceted hobby, strive to be the best operator you can, and in time become a mentor yourself to a younger ham. Get involved with your club, ask questions, present ideas, and for goodness sake participate in club outings. That is where you get your first experience putting up a dipole, tuning antennas, setting up a station, etc. working side by side with folks who have done it many times and can show you the way its done! Lastly newcomers, after a year as a member in our club YOU can run for a club officer or board position and help lead the club into the future.

Hope to see everyone at the meeting next week, and at the Indiana QSO Party event at Harmonie State Park on May 4. Everyone is welcome!

73 for now!

*John N9oL*

## Beyond the Baofeng

Chris Lantaff, [KE9YK](#)

I had started an article this month talking about the ARRL's proposed changes in RM-11828 when I came across the article below from Dan W5DNT. I am very much in agreement with Dan and he has presented the topic more eloquently so there was no need to repeat it here.

The FCC is also accepting comments on a *Petition for Rule Making* ([RM-11831](#)) seeking to amend FCC Part 97 rules that require all ham radio digital transmissions to use techniques "whose technical characteristics have been documented publicly." The *Petition*, filed by Ron Kolarik, K0IDT, of Lincoln, Nebraska, expresses concerns that some currently used digital modes are not readily and freely able to be decoded, and it asks the FCC to require all digital codes to use protocols that "can be monitored in [their] entirety by third parties with freely available, open-source software," per §97.113(a)(4).

If you would like to delve into some of the stats on amateur radio and ARRL this site will give you a trove of information.

[https://wireless-girl.com/ARRL\\_EntryLevelLicence.html](https://wireless-girl.com/ARRL_EntryLevelLicence.html)

A lot of times the FCC post proposals for rule making and they go largely un-noticed. We do have a voice in how our hobby is regulated and filing comments is how we are able to do it.

Please look into the proposals and file your comments with the FCC.



## Please comment on new Tech HF privileges by April 13

Dan, [W5DNT](#)

Dear Amateur Radio Friends,

[Click here](#) to view comments I have submitted to the FCC with regard to ARRL's proposed change to give Tech licensees expanded HF privileges, RM-11828. Their real game is HF Digital email and through their actions they seem to believe that will be the secret to attracting new members.

As most of you know, I have been very vocal with regard to past FCC comments STRONGLY AGAINST ARRL's push for wideband digital on HF, under the guise of "EmComm". That issue is still very alive at FCC, with a Notice of Proposed Rulemaking 16-239 ready to be approved at any time. Unfortunately, the comment period is long past on that one, FCC could approve it tomorrow. Sources tell me ARRL leadership believes it will be approved, as do I.

If RM-11828 is approved by FCC, 385,000 existing Techs, and whoever else decides to "study on Sunday and pass Tech on Monday", will have immediate freely granted access to greatly expanded HF privileges, without going through any steps on their part to advance in the hobby. Should NPRM 16-239 also be approved, as we think it will, a real recipe for disaster will have

been put in place. Our CW, RTTY and FT-8 bands will be overrun by boaters and preppers that simply wish to have free or off the grid email, without having to pay an ISP. For those of you that are SSB operators, RM-11828 would freely give 55% of the General Class HF phone bands to existing Techs with the stroke of a pen. RM-11828, a major "dumbing down" of amateur radio licensing, removes incentives for advancement, it does not create them. So much for incentive licensing!

It's always easier to do nothing and complain after the fact, but here is an opportunity to get involved in the process before a problem is created! I encourage each of you to read my comments and those of others. Consider the importance of this issue. Please consider filing your own comments with FCC. Below is a link that will walk you through the very easy process of an express filing. It will only take a few minutes of your time and the future well-being of amateur radio is certainly a worthwhile cause.

The filing deadline is April 13, 2019.

Please help spread the word to your friends and together let's put a stop to this.

73 & Thanks for your consideration of this important amateur radio issue!

Dan White, W5DNT

[Editor's Note:]

You may also see Dan's comments on RM-11831 here

[W5DNT Comments FCC RM-11831.pdf](#)

## Commenting Electronically on FCC Proceedings

ARRL Bulletin 9 ARLB009

Those interested in posting brief comments on Petitions for Rulemaking (PRMs) to the FCC, such as the ARRL Technician Enhancement proposal (RM-11828) using the Electronic Comment Filing System (ECFS) should access FCC Electronic Comment Filing System Express at,

<https://www.fcc.gov/ecfs/filings/express> .

In the "Proceeding(s)" field, enter the number of the PRM, e.g. RM-11828 (using this format), complete all required fields, and enter brief comments in the box provided. You may review your post before filing. All information you provide, including name and address, will be publicly available once you post your comment(s).

Visit "How to Comment on FCC Proceedings" for additional information at, <https://www.fcc.gov/consumers/guides/how-comment> .

## TRANSMISSIONS

Cory Davis [KD9MHB](#)

Greetings from the Mothership! Call sign here is KD9MHB. I'm a new technician as of a little over a month ago. A lot has happened in such a short time, Joining TARS, Winter Field day, ISS on the air, and POTA just to name a few. The worlds' hobby has so much to offer, there is definitely something for everyone!

Recently I was introduced to the digital side of things via DMR. Using just an HT and a Pi=star, I've been able to make QSO's all over the world! Poor man's DXing if you will. HAM Radio has truly been a lot of fun and I've enjoyed every minute of it!

So in closing, I'd like to pass something along that was shared to me on a call from the island of Cyprus, near the Mediterranean Sea... "There are no strangers in HAM Radio, only friends who haven't met yet"

Until Next Time~

73s de KD9MHB



## 2019 Indiana QSO Party (INQP) May 4th

The Indiana QSO Party is Saturday May 4th, starts at 11AM and ends at 11PM EDT (1500 to 0300 UTC May 5th).

**TARS will be participating from HARMONIE State park** on Saturday May 4<sup>th</sup> with set-up starting at 8:30 am. The current plan is to have 2 stations running the INQP and also logging contacts as a POTA park station. TARS will provide hotdogs and chips (Grippo's), with plates, condiments and napkins, you can provide your own drinks and anything extra you would like.

You might want to bring lawn chairs or other comforts depending on the weather.

The INQP overlaps with a few other QSO parties and contests: the 7QP, NEQP, and the Italian ARI Contest. So, during the INQP many other stations seek contacts from Indiana to fill their logs. The more Indiana stations on the air that day, the more action for everyone!

The INQP is sponsored by the Hoosier DX and Contest Club ([HDXCC](#))

## TARS 2M FM Simplex Contest

Announcing the 2019 TARS 2M FM simplex contest. This contest helps us all be prepared in a number of ways, gets to know one another, allow for some friendly competition and try out our emergency preparedness skills. Since this contest is limited to the 2M FM band, it does not require any fancy equipment and all can participate. The contest is just a short 3 hour timeframe.

This is a great time for all local area hams to participate and join in the activity!

**Saturday, May 25 2019, 6-9 PM CDT (5/25 23:00Z – 5/26 02:00Z)**

Objective: To make as many contacts as possible, encouraging the use of 2M simplex mode, and to have fun!

The Hunter vs. the Hunted: Consider operating from a remote location, high point, or perhaps a roving mobile; Mobile stations are able to re-work stations from a different zip code location.

Rules and details were attached with this issue of SPARKS and will be available for download along with the Logging sheet on the tars web site. <http://w9og.net/tars-files>

Please pass the word to anyone in the area that would like to participate in this event. Download the rules the log sheet and join us on 2m simplex.

## Light Up 2 Meters Night - Spring

On Sunday March 24 we participated in the Light Up 2 Meters Night. We had about 12 people participating that night from Mt Vernon to Owensboro and points in between. I think there will be a fall event so watch for that. A good time was had for all the participants and each learned a bit about what type of simplex coverage their station is capable of.

## TOP TEN FT8 ADVANTAGES FOR SLACKERS

14 MARCH 2019 BOB KONR

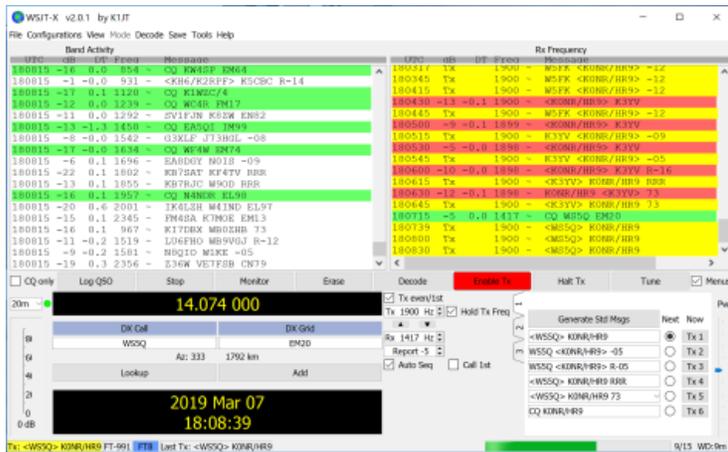
We just got back from a very enjoyable trip to Roatan Island that included 8 friends vacationing together. The snorkeling and beach time were lots of fun. We stayed at the [Seaside Inn](#), highly recommended.



Bob working SSB on Roatan Island as KONR/HR9

Of course, I took along some ham radio gear and made radio contacts from the island using the [Slacker DXpedition method](#). The station was a Yaesu FT-991 driving an end-fed half wave wire antenna, cut for either 20m or 40m. I operating as [KONR/HR9](#) and my co-slacker Denny was on the air as KB9DPF/HR9. (Reciprocal

licensing info is available from the [Radio Club De Honduras](#).) We started out on SSB but that was tough going with poor propagation, so we soon found that FT8 was more effective.



Screen shot of WSJT-X running FT8 mode.

We were pleasantly surprised with how well FT8 worked out for us as it was very compatible with the Slacker DXpedition philosophy. Now I know that some people find FT8 boring and useless. It certainly is a slow-moving mode, but we found in quite useful for a Slacker DXpedition.

Here are the Top Ten Reasons to Use FT8 for Island Time DX:

- You can listen to your "island time" playlist while working DX.
- You don't annoy your fellow vacationers by screaming into the microphone.
- You don't have to worry about remembering proper phonetics.
- You can read the other station's QRZ page while the computer completes the contact.
- You have time to visit the restroom without missing any contacts.
- You can upload your log to LoTW while operating.
- You have time to mix up a rum punch while making QSOs.
- It doesn't matter if you slur your speech a bit due to that extra rum punch.
- If the run rate is really slow, the pc screensaver will kick in to entertain you.
- You can actually make contacts when propagation sucks.

## Riley Hollingsworth, K4ZDH, to Oversee Volunteer Monitors Development and Implementation

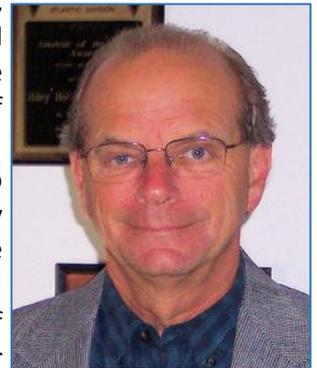
ARRL Letter February 14, 2019

Riley Hollingsworth, K4ZDH, will oversee the development and implementation phases of ARRL's new Volunteer Monitors (VM) program, which will replace the Official Observers (OO) program. Hollingsworth, who once handled Amateur Radio enforcement for the FCC, has stepped down as ARRL Atlantic Division Vice Director to avoid any appearance of a conflict of interest. The development phase of the program is already under way.

"I am grateful for the Atlantic Division ARRL members supporting me, but I think I can better serve the Atlantic Division and all ARRL divisions by working in the Volunteer Monitors program," Hollingsworth said in his resignation letter. A new Atlantic Division Vice Director will be appointed.

ARRL President Rick Roderick, K5UR, said that Hollingsworth was the ideal person to lead ARRL's efforts in the development and implementation of this joint program with the FCC.

"I support Riley's decision to concentrate his efforts on this very valuable project on behalf of the ARRL," Roderick said.



Approved by the ARRL Board of Directors last July, the Volunteer Monitors will work in cooperation with the FCC. Volunteers trained and vetted by ARRL will monitor the amateur bands for possible instances of misconduct or to recognize exemplary on-air operation. Cases of flagrant violations or noncompliance will be directed to the FCC for action, in accordance with FCC guidelines. The program, which aims to re-energize Amateur Radio enforcement efforts, was proposed by the FCC following the closure of several FCC regional offices and reductions in field staff.

Hollingsworth has identified three phases to the program -- development, solicitation and training, and implementation. The development phase will include drafting a mission statement, clearly defining ARRL's and the FCC's requirements and needs as part of the program, drafting a Volunteer Manager job description, and developing a training manual for volunteers.

The solicitation and training phase will involve identifying the geographical locations where volunteer monitors will be most needed, soliciting applications, and screening applicants. Current Official Observers will be invited to apply for appointment as Volunteer Monitors (VMs). The ARRL Board has expressed its appreciation to the OOs for their dedicated volunteer service over the years.

Implementation will involve having the volunteers provide field reports, and ARRL staff offering guidance to volunteers to ensure that the information gathered meets FCC requirements. Continuing education will be provided to the volunteers as part of the program.

Hollingsworth has committed to ensure training adequacy for new VMs, to review the quality and utility of Volunteer Monitor submissions to the FCC for enforcement action, and to advocate for rapid disposition of cases appropriately submitted to the FCC. ARRL officials estimate that it will take 9 - 12 months before the first Volunteer Monitors begin filing reports.

## ARRL Frequency Measuring Test – 2019

The format of the April Frequency Measuring Test (FMT) will be to measure a single-frequency signal transmitted first on 40 meters then on 80 meters from one station in eastern Oklahoma: K5CM.

The FMT will begin at 0200 UTC, April 12 (Thursday, April 11, at 10 PM EDT in North America).

Measure the transmitted frequency and report your results at the new ARRL FMT page, [fnt.arrl.org](http://fnt.arrl.org).

To be listed in the "Green Box" of the results, submit a measurement with an accuracy of better than 1 Hz.

Although the "call up" is scheduled to start at a very specific time, K5CM will try to start earlier. Every effort will be made to start the key-down measurement period at the published time.

<http://www.arrl.org/frequency-measuring-test>

## Eat'n Before the Meet'n



April 11<sup>th</sup> Eating Before the Meeting will be at

[Sam's Southern Eatery](#) 420 S Green River Rd. [\[MAP\]](#)

Drop by for good food, socializing, "story tell'n" and whatever else comes to mind.

Join the group at 5:30, or whenever you can make it. Check in on 146.79 if you need directions or just get bored on your drive in. Everyone is welcome to join us.

If you have any suggestions on where you would like for us to meet,

contact: [Herb Alvey KB9MZH](#) c:812.499.3729

## Brag Rag

Congrats to the following POTA Hunters.

Some of the guys have been busy.

What have you been doing? Have you received any really neat QSL cards you would like to share here?



John N9OL



Chris KE9YK



Mark KC9TYA

## Vanderburgh Co. ARES/RACES

The next Vanderburgh county ARES/RACES meeting **April 18th**, 7:00 pm at the Vanderburgh Co. West Side EMA Training Center (WEMA) [1430 Harmony Way](#). Anyone interested in emergency communication in Vanderburgh County is invited.



ACV satellite antenna testing and instruction



Last month Vanderburgh Co. ARES/RACES set up the Auxiliary Communications Vehicle satellite dish and established an internet link to access the WebEOC crisis information management system, used by the State of Indiana, local, county and state emergency managers, homeland security partners. This system could be used in a major disaster to have

internet accessibility if the local infrastructure has failed.

We still need to finish radio/antenna installation of both HF and 2m, install TV, connect the dish tv receiver and install our computer.

Chris Lantaff KE9YK

Vanderburgh Co RACES Officer

[in82races@gmail.com](mailto:in82races@gmail.com) c: 812.453.1972

## Warrick County ARES/RACES

### March 2019 Update

#### Monthly Meeting...

This month the meeting was delivered by Rick Williams (KT9B) and Steve Connaughton (K9SRC). The topic covered the ARRL Ares Plan. ARRL has been challenged to align the standards of the ARES section to the needs of the served partner agencies as it relates to today's requirements. Through the research into the needs of served partner agencies a new ARES Mission Statement was developed.

*"The Amateur Radio Emergency Service, a program of the ARRL, offers to its partners at all levels, trained Amateur Radio Service licensees who are skilled in the use of a wide range of emergency and disaster communications techniques and who are committed to supporting our partners' missions in service to the public."*

Expertise, Capability, and Capacity:

It is through Expertise, Capability and Capacity that the ARES Radio operators will be able to provide the items outlined in the Mission Statement...

**Expertise** will be provided through training that is formal and informal at the local ARES level. This training will be with local agencies to learn the needs and to meet with the individuals that they will work with during actual emergencies.

**Capability** is being proven on a daily bases with operations of Nets, contesting, and Dxing. Knowing your radio and how to operate it will make an operator capable during an emergency situation.

**Capacity** is the determining factor of each ARES group's ability to meet the needs of the served agencies and what type of support it can provide during an emergency situation.

An Emergency Communications Plan should indicate the ARES group's capabilities and plans for expansion.

The last item of discussion dealt with "Qualifications for Membership in ARES". In the past anyone with a valid Amateur Radio License and an interest in serving was eligible to join the group. With the revision to the program, additional training will be required to serve in the ARES program. This training will make each member more familiar with how the process works and better adapt the program to meet the needs of the organizations served by ARES.

There is a large amount of information in the documentation not covered in this summary. If you are interested in seeing the proposed changes or would like a copy of the document... <http://www.arrl.org/ares-plan>

**Auxcom Trailer:** Several items still need to be completed on the Auxcom trailer. Most of the work will involve wire terminations and non critical jobs to make the trailer more functional. The exterior of the trailer needs to be buffed and new decals put in place. The solar panel for the trailer needs to be mounted and wired into the trailer. Some of the work will need to be completed during warmer weather. A lot of the smaller items such as wire

terminations can be done any time. A list was submitted to the group of items needing to be supplied. If you are interested in providing any of the items you can get a list from Steve Connaughton (K9SRC) or Chris Owen (KC9CLO). If anyone wants to work on the trailer contact Steve ([sconnaug@gmail.com](mailto:sconnaug@gmail.com)) to make arrangements to get into the trailer.

Chris L Owen (KC9CLO)  
Public Information Officer  
Warrick County ARES/RACES group

## Tri-State Emergency Net

**8:00 p.m. Wednesday nights on 146.79 pl 88.5**

If you haven't checked into the Tri-State Emergency Net, please take a few minutes at 8:00 p.m. Wednesday evenings on 146.79 and get updated on what is happening, the latest club information, calendar of upcoming events, topics of general interest and from time to time good old-fashioned rag chewing.

### Net Operator schedule

#### April

3	KC9TYA
10	KE9YK
17	KC9UVG
24	N9QVQ

#### May

1	KB9YWQ
8	WB9KQF
15	KC9TYA
22	KE9YK
29	KC9UVG

#### June

5	N9QVQ
12	KB9YWQ
19	WB9KQF
26	KC9TYA



Reminder we are still in thunderstorm/tornado season, remember to monitor the weather net on the TARS 146.79 repeater anytime there is a severe weather watch/warning issued from the Paducah NWS for Vanderburgh or surrounding counties. Anytime severe weather is anticipated we try to have a stand-by net up and once a warning or severe weather is reported we go into a SKYWARN net and relay weather reports to the NWS in Paducah.

## ELITE Spotter Workshop

APRIL 11, 2019 Evansville, IN  
American Red Cross 29 N. Stockwell Rd

### REGISTRATION IS REQUIRED

[\[Click Here to Register\]](#)

ELITE SPOTTER TRAINING:

The objective of the Elite Spotter Workshops is to develop well trained and safety conscious spotters. Spotters are highly encouraged to have taken the "Skywarn Spotter Concepts Course" (or a basic spotter course) before attempting to partake in the Elite Spotter Training. The workshops will be about 3 and 1/2 hours in length, and will include a "Basic Weather 101" section, more detailed and advanced spotting concepts, radar concepts, safety measures, and hands on exercises. An end of course exam will be given with a score of 70% required for passing the course and attaining a certificate.

## April Birthdays

Cory Davis	KD9MHB	18th
James "AL" Letcher	KA9PHZ	5th
Dennis Martin	WA2USA	28th
Mary Sandine	KD9CHH	28th

If your birthday doesn't get listed please make sure we have it on file by filling out the membership application when renewing. This also helps to make sure we have your current contact information.

## ARISS SSTV Event

Did you miss the last SSTV event? You have another chance!!!

The next big event will be the ARISS SSTV event that starts Thursday, April 11 about 18:00 UTC and will be operational until about 18:00 UTC on Sunday, April 14. Since this event will run continuously for 72 hours, folks in the higher latitudes should have a pretty good chance to receive all 12 of the images. Operators in the mid latitudes should be able to get most of them depending on location. The transmissions will be broadcast at 145.800 MHz using the PD-120 SSTV mode.

Once these images are received by ham radio operators and other radio enthusiasts on Earth, many participants will post them for viewing

at [http://www.spaceflightsoftware.com/ARISS\\_SSTV/index.php](http://www.spaceflightsoftware.com/ARISS_SSTV/index.php).

In addition, you can receive a special SSTV ARISS Award for posting your image. Once the event begins, see details at <https://ariss.pzk.org.pl/sstv/>. Please note that the event is dependent on other activities, schedules and crew responsibilities on the ISS and are subject to change at any time. Good Luck and Enjoy!

## Hamfest Calendar

05/17/2019 | [2019 ARRL National Convention at Dayton Hamvention®](#)  
06/01/2019 | [Princeton KY Hamfest](#)  
07/12/2019 | [Indianapolis Hamfest](#)  
08/17/2019 | [Alabama State Convention, Huntsville Hamfest](#)  
09/07/2019 | [Greater Louisville Hamfest 2019](#)  
10/05/2019 | [8th Annual Vette City Hamfest](#)

10/26/2019 | [Hamtober Fest](#)

### Location:

Lynnville Community Center  
416 West Street, Road 68, IN-68  
Lynnville, IN 47619

Website: <http://hamtoberfest.com>

Sponsor: Tri-State Amateur Radio Society - TARS

Talk-In: 146.790 (PL 88.5)

Public Contact: Dennis Martin , WA2USA  
5577 Victoria Court Newburgh, IN 47630  
Phone: 812-598-8333

Email: [wa2usa.ham@gmail.com](mailto:wa2usa.ham@gmail.com)

The Hamtober Fest Flier was attached to this SPARKS mailing.



## VE Testing

### 2019 Schedule

Jan 26	Feb 23
Mar <b>No TEST</b>	Apr 27
May 25	Jun 29
Jul 27	Aug 31
Sep 28	Oct 26
Nov <b>No TEST</b>	Dec 28



All examinations will be administered at the American Red Cross, Evansville Chapter, located at 29 S. Stockwell Road, Evansville Indiana 47714. Examinations will start at 9:00 AM Central time. We have no pre-registration, and examinations are administered on a walk-in basis.

All the details can be found at:

<http://w9og.net/ve-testing>

Or for more info contact:

[John VanVorst N9OL](#) c: 812.305.4100



## Club Code Key Contest

This contest is a **just for fun** event and will have certificates awarded for various categories.

Judging will happen in the time between the meeting program and the business meeting.

A code oscillator will be set up to check the operation of the keys.

The fun started in March and the next installment will be at the **May 9<sup>th</sup>** meeting with **PADDLE KEY** competition.

The rules have been kept simple.

- You must have built the key **YOURSELF**.
- It may be a KIT or Homebrewed.
- It must **WORK**.

The schedule is.

~~March~~ - Straight Key

May - Paddle Key

July - Bug or Cootie Key

September - MacGyver Key/ Rube Goldberg Key



Even if you don't work CW, this can be a fun contest just to get everyone up and doing something. Perhaps we could even get a CW learning net on the air and put them to use.

**Winner** of the March home brew straight key was Dennis WA2USA for his key made out of a hacksaw blade.

The Most unique key went to John N9oL for his key made from a microphone!

Best MacGyver key went to Jeff AA9WJ for his key made from a staple remover.



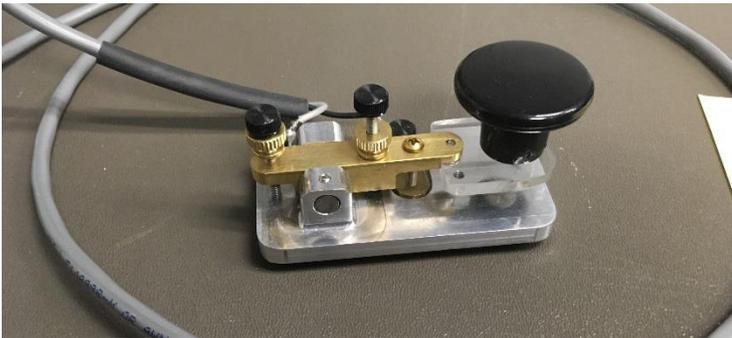
WA2USA



N9OL



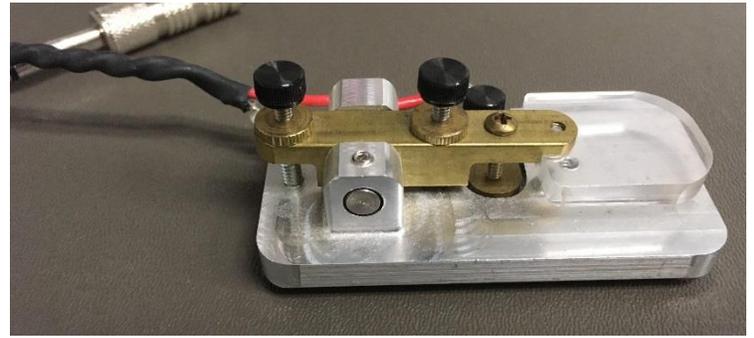
AA9WJ



KC9TYA



KC9UVG



## Secretary Report

The secretary reports were attached as separate attachments with this SPARKS mailing.

## Treasurer Report

Budget:  
February 2019 (prepared 3/1/19 )

Opening Balance: \$5,242.18

Receipts:

Memberships	\$87.50
Additional Banquet Proceeds	\$31.00
Additional Auction Proceeds	\$15.00
<b>Total Receipts ---&gt;&gt;</b>	<b>\$133.50</b>

Expenditures:

Log Inn fee for banquet plus tax and tips (\$434 Reservations and Payments + \$114.40 TARS portion)	(\$548.40)
Lynnville Park Community Center Hamfest reservation plus deposit	(\$375.00)
<b>Total Expenditures---&gt;&gt;</b>	<b>(\$923.40)</b>

Ending Balance	\$4,452.28
Red Cross Funds	\$1,087.82

Jeff Holt AA9WJ  
TARS Treasurer

## Amateur Radio Resources

Dave KC9UVG ask everyone at the Aug meeting for ideas on Amateur Radio Resources that we could publish for anyone looking for information. These were suggestions given.

### Books:

The Man Who Caught the Storm by Brantley Hargrove:  
The life of legendary tornado chaser Tim Samaras, 2018. EVPL  
Call # 921 SAMAR HARG

Facebook Magazines NASA Tech Briefs – [www.techbriefs.com](http://www.techbriefs.com)

Nuts & Volts [www.nutsvolts.com](http://www.nutsvolts.com) and at Barnes & Noble

### Podcast:

Neil Rapp WB9VPG – Ham Talk Live!

[www.neilrapp.com/hamtalklive](http://www.neilrapp.com/hamtalklive)

Ham Radio Workbench – [www.hamradioworkbench.com](http://www.hamradioworkbench.com)

Amateur Radio Newsline – [www.arnewsline.org](http://www.arnewsline.org)

W5kub Live ham show every Tuesday night 8:00 PM Central Time  
(0200 UTC Wed) - [www.w5kub.com](http://www.w5kub.com)

## Looking Ahead

### 2019

Straight Key Night Jan 1

ARRL Kids Day Jan

**Winter Field Day January 26/27**

**TARS Banquet Feb**

**INQP May 4**

MUSEUM SHIPS WEEKEND June

ARRL Kids Day June

**Field Day June 22-23**

13 Colonies Special Event Jul 1-Jul 8, 1300Z-0400Z

National Night Out Aug 6

International Lighthouse and Lightship Weekend (ILLW) Third full weekend of August 16-17

Route 66 Special Event September 7-15

Jamboree-on-the-Air Third full weekend in October

SKYWARN Recognition Day Dec 7 2019

Total Solar Eclipse North America April 8, 2024

TARS is an [ARRL](http://www.arrl.org) affiliated club  
ARRL [Indiana Section](http://www.arrl.org/indiana-section)  
Section Manager: **Jimmy Merry KC9RPX**  
[kc9rpx@arrl.net](mailto:kc9rpx@arrl.net)

### TARS mailing address:

TARS

P.O. Box 4521

Evansville, IN 47724

Don't forget to check out our web page [www.w9og.net](http://www.w9og.net)

### Facebook Group

<https://www.facebook.com/groups/TARSw9og>

TARS E-mail: [info@w9og.net](mailto:info@w9og.net)

## 2019 Club Officers - Board members

**President** [John VanVorst N9OL](mailto:John.VanVorst@arrl.net)

**Vice President** [Max Wilkinson KD9ABT](mailto:Max.Wilkinson@arrl.net)

**Treasurer** [Jeff Holt AA9WJ](mailto:Jeff.Holt@arrl.net)

**Secretary** [Dave Sandine KC9UVG](mailto:Dave.Sandine@arrl.net)

### Board of Directors

[Mark Thienes KC9TYA](mailto:Mark.Thienes@arrl.net) (2018-2019)

[Len Schmitt N9QVQ](mailto:Len.Schmitt@arrl.net) (2018-2019)

[Herb Alvey KB9MZH](mailto:Herb.Alvey@arrl.net) (2019)

[Rick Jackson K9EXY](mailto:Rick.Jackson@arrl.net) (2019-2020)

[Dennis Martin WA2USA](mailto:Dennis.Martin@arrl.net) (2019-2020)

[Mike Townsend W9KXP](mailto:Mike.Townsend@arrl.net) (2019-2020)

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