

SPARKS

Monthly Newsletter of the Tri-State Amateur Radio Society

Serving the Tri-State for over 70 years



September 2018 - Issue No. 9

TARS Website: <http://www.w9og.net> Club repeaters: 146.79 and 147.15

Say "Hello" at the weekly Tri-State Emergency Net, 8:00pm Wednesdays on 146.79

Please feel to submit articles or suggestions to

Editor: SPARKS@w9og.net



President's Corner:

A couple of items are of note this month. Hamtober Fest is fast approaching, now just a month away! If you haven't signed up to volunteer, please contact Raymond W9KHP and lend a hand. The more volunteers we have, the more time we all can spend enjoying the Hamfest.

We received several great ham radio resource recommendations at our August meeting! The list of resources can be found later in this issue. If you have a favorite that is not on the list, let us know at the next meeting.

Lastly, we are still looking for a club Secretary. Please consider tossing your name in the hat for the special election for this very important position.

See you at the September meetings.

73 Dave KC9UVG

Hamtober Fest October 27

Lynnville Community Center.

Please mark your calendars and pass the information on to other hams in the Tri-State area.

TALK IT UP!

IT's YOUR HAMFEST



One man's opinion

A few weeks ago marked the end of an era for me, an ARRL appointment that I have held for the last 25 years. I received a nice E mail from my SCM Steve Morgan, W4NHO thanking me for my service of the last two and half decades.



I took the job as Official Observer Coordinator since no one else was interested in filling the position, I worked with several SCM's and just kept staying around since interest was not there to fill the appointment. In twenty-five years I have learned a few things, attitudes have changed towards the volunteer monitoring system and it seems we have many more blatant rule violations then ever before.

I did have some interesting cases that I became involved in, for the most part they were solved, some however never received any enforcement from the FCC. This to many volunteer monitoring stations was a sad disappointment.

As an example several hams in the state capitol area reported a person giving false distress calls on the local repeater. The voice would sound very official and announce the United States was being attacked by North Korea and that bombs had fallen on the West Coast. This of course was reported, recordings were provided and every one waited for word from the F.C.C.

Know what happened? Nothing, that is right nothing, local hams started setting up a direction finding unit and contacted the local police, once they found out the location of this person the police could arrest him.

In another trying example around the Georgetown, Ky. area was one individual who thought he could use his deceased father's call letters since they both had the same name. Well, we forwarded all the information to the league, they claimed it went to the F.C.C.. Know what happened? Nothing! We found out who the person was, sent him a warning letter and also one from the SCM of Kentucky, this scenario worked itself out, the offender got his license, locals assisted him in doing so and we had a happy ending.

I was often asked what could be done about someone playing bird calls on a local repeater, one fellow expected a whole team of people to invade his town and solve the problems he had with his repeater. No, that was not our objective, we sent several suggestions, methods for catching jammers, and those who caused havoc. The OO program had no enforcement authority, that was often a misconception by those registering complaints. When this person complained to the SCM of Kentucky, Steve told this operator I had followed all the guide lines and there was nothing more I could do, we were not sending a whole team of monitors to his town.

In other instances minor infractions, chirpy cw signal, out of band, hum on signal, failure to ID were often seen on my monthly lists and reports. I suppose one of the worst CW signals I ever heard on the ham bands was one Sunday morning around 8 AM local time. This signal had key clicks, chirp, buzz, hum, instead of normal keying, it was more a kerchunk sound. I sent the person a notice, never heard them on the air again, not sure what the op was using, but take it somewhere and bury it.

Around the first of the year the ARRL who sponsors the OO program announced they were planning to redo the system, just what they had planned was not clear. In addition to this no new appointments were to be accepted and present OO members were to be retested if the new program went into place. Quite frankly, since little was done in the form of enforcement we saw this only as continued shuck and Jive, lots of double talk and meaning. To tell you the truth I was tired of devoting time to monitor a bad situation on the air and then have nothing done about it. I decided it was time for me to pass things along to a much younger man. Someone who is on fire and believes the propaganda machine from the league. I quite frankly lost my gusto and enthusiasm and decided to step down entirely. So. as of July 1st, 2018 I am no longer associated with the OO program, do I regret it? To be honest about it no, I feel over the years perhaps I made a difference, perhaps by advising someone of the error of their ways I may have saved them some real trouble later.

My real frustration was lack of enforcement, or action taken when you had the proof of a violation either on tape, or several had witnessed the violation. The real

disappointment came when the league claimed they were with you, yet played duck and hide if you had a real field problem. This was the main reason we decided to drop out and give the reigns to someone else, perhaps in a few years they will tire of the shuck and jive double talk and follow my lead.

As Always my friends this is "One Man's Opinion"
Bill, K4LRX

3D printed parts for ham radio

By Dan Romanchik, KB6NU

One of the things that I keep telling myself that I need to learn how to do is 3D printing. This morning, I ran across a couple more 3D printing projects for ham radio that I thought I'd pass along.

The first I found on reddit: 3D Printed Parts for Portable Tape Measure Yagi Designs (https://www.reddit.com/r/amateurradio/comments/963br3/3d_printed_parts_for_portable_tape_measure_yagi/). The summary on Thingiverse (<https://www.thingiverse.com/thing:3042505>), which is a website where "makers" share their designs, says:

"These parts are made for use with 1-in. PVC pipe and 1-in. Harbor Freight tape measure steel. You can use electrical tape to attach the element holders to the side of the pipe, and use the driven element bridge to give structural rigidity across the driven dipole element. I have used this with up to 5 elements on 2m with good success. When not using the antenna, just pinch the elements to remove them from the holders, and store them INSIDE the tube! you can add some end caps to make this ultra portable. Use these parts with any of the multitude of tape measure YAGI design guides online."



The element holders are attached to the boom with electrical tape in the photo above. While I haven't tried it, I'd suggest that the antenna might be a bit more robust if you could screw or perhaps glue the holders to the boom.



Here's a look at an antenna made with these parts:

There are lots of other cool amateur radio 3D printing projects available on Thingiverse (<https://www.thingiverse.com/search?q=ham+radio&dwh=415b6d8da129c3c>). Browsing through the list quickly, here are just two that look like they might be useful to me:

- Soldering Fingers (<https://www.thingiverse.com/thing:1725308>). This project looks simple and quick.
- μ Bitx Case (<https://www.thingiverse.com/thing:2925336>). I still gotta do something with the μ Bitx I bought. This looks like it might get me started.

Finally getting in gear

Last week, I attended a 3D printing class at our local maker space, All Hands Active (allhandsactive.org), and now I feel like I can finally attempt a 3D printing project. I'm thinking about starting out with the simple Soldering Fingers project. If that goes well, I'll try a Raspberry Pic case and finally start using that in the shack. And, while these projects all seem pretty cool, I feel like I'm only scratching the surface.

Have any of you 3D printed anything cool for your ham radio projects? Is there another source of designs for ham radio 3D printed stuff besides Thingiverse?

When he's not 3D printing enclosures for his ham radio projects, Dan blogs about amateur radio, writes exam study guides (www.kb6nu.com/study-guides), and operates CW on the HF bands. Look for

him on 30m, 40m, and 80m. You can email him about your experiences with 3D printing at cwgeek@kb6nu.com.

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**

Ham Radio Go Kits – Facebook

Magazines

NASA Tech Briefs – www.techbriefs.com

Nuts & Volts www.nutsvolts.com and at Barnes &

Noble

Podcast

Neil Rapp WB9VPG – Ham Talk Live!

www.neilrapp.com/hamtalklive

Ham Radio Workbench –

www.hamradioworkbench.com

Amateur Radio Newsline – www.arnewsline.org

Eat'n Before the Meet'n



September 13th Eating Before the Meeting will be at **Long John Silver's** 2350 E Morgan Ave, Evansville. Drop by for 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

Condolences:

It is with great sadness to report the passing of Debbie Pointer, wife of Bob Pointer N9XAW. Bob has been an active club member for many years, serving in a number of officer positions including President for several years.



Deborah "Debbie" Pointer, 64 of Evansville, IN passed away on August 8, 2018 at Heritage Center.

She was born in Posey County, Indiana on December 10, 1953.

She had worked for over 25 years in the healthcare profession as a CNA. She loved bingo and enjoyed crossword puzzles and word search games.

Debbie was preceded in death by her father and mother, Carl and Maxine Neaveill; sister, Cindy Neaveill.

She is survived by her husband of 47 years, Robert Pointer; son, Stephen Pointer; daughter, Kristen Pointer (Michelle); stepdaughter, Andrea Raisor (Todd); stepson, Robert Durham (Chris); grandchildren, Brittany, Alyssa, and David Pointer, Bryanna, Ameila Dockery, Cassandra Conder, Michaela Raisor, Theo, Evelyn, and Elizabeth Durham; siblings, Brenda Nosko, Stella Longest, Vickie Neaveill, Carla Manzi, Stephen Neaveill and Gregory Neaveill.

Memorial contributions may be made to the National Kidney Foundation of Indiana, 911 E. 86th St. Suite 100 Indianapolis, IN 46240.

Concern Rising within Amateur Radio Community over WWV Shutdown Proposal

From the ARRL Letter for August 22, 2018

ARRL members and Amateur Radio clubs are expressing increased concern over the inclusion of WWV and WWVH on a list of proposed cuts in the White House's National Institute of Standards and Technology (**NIST**) Fiscal Year 2019 budget request. The proposed cuts, which only recently came to light, would also include the Atomic Clock signal from WWVB. Online petitions soliciting signatures include [one](#) established by Tom Kelly II, W7NSS, of Portland, Oregon, who would like to see funding for the stations maintained. The decision is up to Congress.

"It is important to note that no changes to NIST services have occurred, and if the proposal were to be



implemented, public notice would be provided," NIST said this week.

ARRL is suggesting that members of the Amateur Radio community who value the stations for their precise time and frequency signals and other information sign the petition and/or contact their members of Congress promptly, explaining how the stations are important to them, beyond government and military use. WWV is among the oldest radio stations in the US and has broadcast the official time for nearly a century.

According to the NIST [Fiscal Year \(FY\) 2019 budget request](#), the specific cut would come from the NIST Fundamental Measurement, Quantum Science, and Measurement Dissemination budget and would amount to \$6.3 million.

"NIST has a long-standing history of providing time and frequency services through our radio stations and we appreciate that many people use these services," NIST said in a statement. "WWV is the longest continuously operating radio service in the US. At the same time, the proposed NIST budget for FY 2019 required difficult choices about budget priorities."

NIST said that it plans to eliminate "efforts that have been replaced by newer technologies, measurement science research that lies outside NIST's core mission space, and programs that can no longer be



The WWV campus in Fort Collins, Colorado.

supported due to facility deterioration." WWV and WWVH broadcast 24/7. Announcements include time announcements, standard time intervals, standard frequencies, UT1 time corrections, a BCD time code, geophysical alerts, and marine storm warnings. Transmissions are broadcast from separate transmitters on 5, 10, 15, and 20 MHz. An experimental 25 MHz signal is also currently on the air. WWVB transmits standard Coordinated Universal

Time (UTC) signals on 60 kHz to appropriately equipped devices. Read [more](#).

Vanderburgh Co. ARES/RACES

The next Vanderburgh county ARES/RACES meeting **September 20th**, 7:00 pm at the VC West side EMA Training Center (WEMA) [1430 Harmony Way](#). Anyone interested in emergency communication in Vanderburgh County is invited.



Chris Lantaff KE9YK
Vanderburgh Co RACES Officer
in82races@gmail.com c: 812.453.1972

WARRICK COUNTY ARES/RACES

National Night Out:

August 7th was National Night Out. The Warrick County ARES-RACES group had Amateur Radio operators at the Boonville City Park and the Chandler Sports Park. Flyers and pamphlets were passed out to the public. Thanks again to those who participated.

Communications Trailer:

Three dates have been scheduled for work on the Communications Trailer. The dates are: August 25th, September 15th, October 6th Work will begin at 08:00 and will continue throughout the day.

Major areas of work will include; AC wiring, 12 volt wiring, cabinets and counter tops installed, and wiring for antennas.

The main objective of the work days is to have the trailer operational for the Hamfest in Lynnville during the month of October.

All volunteers are welcome to come out to help. If you need additional information about the workday or location you can contact Steve Connaughton at sconnaug@gmail.com.

Simulated Emergency Test:

"The object of the annual nationwide exercise is to test training and skills and to try out new methods. "It's a time to work with partner organizations and served agencies to get to know them better and to determine their needs *before* an emergency or

disaster strikes," Ewald said. "Knowing whom to contact within partner groups with the planned procedures will help everyone accomplish their goals and succeed in their missions." -ARRL Website-

The "SET" exercise that is normally held during the month of September in Indiana has had no dates published as of this date. I have contacted Jimmy Merry Jr. (Indiana ARRL Section Manager) and received this reply:

"This should have been planned prior to my term, but it was not, as I was originally told. If we don't do a sponsored SET in 2018, Indiana will positively conduct an exercise in 2019. As of now a date in late October is being discussed."

As I receive additional information I will pass it on.

Meetings:

For anyone interested in attending the Warrick County ARES-RACES meetings they are held at the Old Courthouse on the 3rd floor in Boonville, Indiana. The meetings are on the 2nd Monday of each month at 6:30pm. If you need additional information contact me at KC9CLO@gmail.com.

Chris L Owen (KC9CLO)
Public Information Officer
Warrick County ARES/RACES group
Ohio Valley Amateur Radio Club

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.

As we are in thunderstorm/tornado season, remember to monitor the weather net on the 146.79 repeater anytime there is a severe weather watch issued from the Paducah NWS for Vanderburgh or surrounding counties. Once a warning or severe weather is reported we will go into a SKYWARN net and relay weather reports to the NWS in Paducah.

Net Operator schedule

September

5 KC9UVG
12 N9QVQ
19 KC9TYA
26 KB9YWQ

October

3 KC9UVG
10 N9QVQ
17 KC9TYA
24 KE9YK
31 KB9YWQ

November

7 KC9UVG
14 N9QVQ
21 KE9YK
28 KB9YWQ

December

5 KC9UVG
12 KC9TYA
19 N9QVQ
26 KB9YWQ

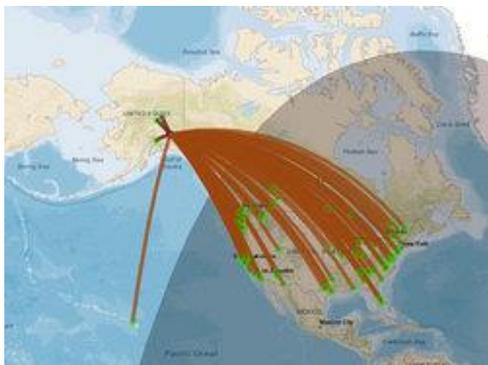
HAARP's WSPR Research Campaign Yields Hundreds of Reports on 40 and 80 Meters

From The ARRL Letter for August 16, 2018

Just-completed research at the High-Frequency Active Auroral Research Program ([HAARP](#)) transmitters in Gakona, Alaska, successfully took advantage of the WSPR digital protocol and the Weak Signal Propagation Reporter Network ([WSPRnet](#)) on July 30 through August 1. University of Alaska Fairbanks (UAF) Space Physics Group researcher and HAARP Chief Scientist Chris Fallen, KL3WX, told ARRL that the research -- HAARP's fourth research campaign under management of the University of Alaska Fairbanks -- went well.

"My 'citizen science' experiments were funded by the National Science Foundation and were conducted for approximately 30 minutes at the end of each campaign day," Fallen said. "They consisted of 2-minute transmissions using the WSPR digital mode in

the 40- and 80-meter bands, with a 2-minute off period between transmissions." He said HAARP transmitted in full-carrier, double-sideband AM because it does not have SSB capability. HAARP operated under its Part 5 Experimental license, W12XFX, with Special Temporary Authority (STA) from



The HAARP WSPR spots map.

the FCC to transmit on amateur bands. "I systematically varied the HAARP transmission parameters, such as gain, net power, beam direction, and polarization, to see how they affected the reception reports collected in the WSPRnet.org database," Fallen said. "During the 3 days, we gathered more than 300 confirmed reports of signal strength and location from nearly 100 unique participants throughout Canada and the US."

Fallen said the spots, collected along with the corresponding HAARP transmission parameters, are available online, (1) and (2). He said the spreadsheet at the second link is editable by the public, "specifically by citizen scientists who want to manually add their spot or other interesting data analysis," he added. "In this sense, the experiment continues."

He said that HAARP's low-elevation transmissions on 40 meters resulted in the greatest number of spots. "The most distant spot was located at grid EL96xi, near Boca Raton, Florida, reported by W1NEJ, from a distance of 6,154 kilometers," Fallen said. "Interestingly, HAARP was aimed in the magnetic west direction during that spot."

HAARP and the Arecibo Observatory in Puerto Rico are planning to conduct heating campaigns this fall, Fallen noted, although not at the same time, as experimenters are shared. Read [more](#).

Contacts:

Another nice contact for Bill K4LRX.

This one is a first, the country of Kosovo that was recently formed. It qualified for new DXCC status and added a new entity on the list. I think I was among the first to work them from this area.



THE FINAL FANFARE WITH A BRAND NEW DXCC STATUS

It is very rare for a new DXCC Entity to be born in the middle of busy Europe. This has brought some special excitement and joy to the airwaves.

For Kosovo this joy was doubled as their new ITU (583) country calling code was activated at the same time. Whether by radio or by telephone, the mountainous state of Kosovo is now truly connected to the world. It was time for publication by both radio folks and by telecom administrators. DXCC country 340 is here. The distinctive blue-yellow flag of Kosovo is proudly flying high.

The first two radio venues were the SHIRAK HQ at the Technical University in Pristina and the out of town Ura Guri Hotel in Vushtri, some 20 km away. Tall antenna towers were installed and Kosovo suddenly became the most sought after country across the bands. Tens of thousands were there waiting to catch a new ether, Z60A. As the local power lines were noisy, and noisy LED lights illuminated the area, it was better to look for a much quieter location that was as far away as possible from people and noise.

An empty, war torn house was found at 5000m ASL. Unlimited space for beverages was also available. While the house itself was riddled with bullet holes, there was one corner that, thanks to gas heating, was cozy for operating. This house became home for our low band operations in the later weeks. While the temperature was often down to minus 17C (2F), the warm feeling of handing out low band countries more than made up for it.

To Radio: K4LRX

Date	UTC	MHz	Mode	RST
2018-01-29	18:14	14	SSB	59
2018-01-31	18:01	14	CW	599
2018-02-15	04:18	3.5	CW	599
2018-02-16	14:45	21	SSB	59

NEW DXCC ENTITY WITH LOCAL HAMS!
Mission Goodwill Kosovo 2008-2018
 Project delegates and Z60A radio operators:
 ZE1DX, ZE1FF, ZE1VD, ZE2FB, ZE3DEB, OD0ML, DU5W, DL5DX, DL5AK, DL5CW, DM5TI, ES2RR, G3TFF, H0BYC, H0BF, OG2M, CH0XX, CH2EH, CH1MA, CH3UR, OM5PC, OM5TR, O31JY, FE2T, S58A, S55F, S57AW and VETNY

These are the men who made Mission Goodwill Kosovo successful:
 SA5W, H0FR, K1ZZ, K3ZJ, K3ZO, H4M0G, K5PLV, K6RN, K6TA, K8ZTT, K9JF, N9X, N4MM, N7WJ, W9JF, W5Z, W5SD, W0RN, L4DR, G3BI, G3TFF, MD0QCE, CH2EH, CH2EN, FE2T, VE6SH, W5AM and Nicholas Cendrowski, European Union and Kreshnik Gashi - ARKOP

And these fine ARRL Directors who sealed the mission:
 W3TOM, W9WA, K408C, W4RFK, H4DAS, K4U, K7CEJ, W6RGS, N2ZZ, W7FD, W40ZK, N6AA and N6ASJ

Our valuable project supporters:
 AA7AT, G7UR, IZ0Y, J45K, K3UR, CH2ELW, CH2AK, W3CTJ and SM0DN

L2L2-PRINT
www.L2L2.com

Hey guys let's see some of your latest contacts or operating award certificates.

Scan them, take a picture with your phone or send the pdf or image file to sparks@w9og.net.

Hamfest Calendar

Upcoming Hamfest from the ARRL website.

This is only a list of Hamfest within a close driving distance. For more info go to:

<http://www.arrl.org/hamfests/search>

Kentucky State Convention (Greater Louisville Hamfest)

09/08/2018

Location: Paroquet Springs Conference Centre

395 Paroquet Springs Drive

Shepherdsville, KY 40165

Website: <http://LouisvilleHamfest.com>

Hamtober Fest

10/27/2018

Location: Lynnville Community Center

416 West State Road 68

Lynnville, IN 47619

Website: <http://hamtoberfest.com>

Sponsor: Tri-State Amateur Radio Society

Talk-In: 146.790 (PL 88.5)

Public Contact: Raymond Edge, W9KHP

6888 Yankeetown Road Newburgh, IN 47630

Phone: 812-746-5884

Email: hamfest@w9og.net

Remember this is your Hamfest. We will need you to volunteer time to make this event a success.

Contact Raymond W9KHP and let him know what you would like to help with.

If you are going to any area hamfests please take some of our fliers to get the word out. Also talk it up on any local nets you check in to.



September Birthdays

Steve Connaughton	K9SRC	13th
Mike Gunderloy	AA9MG	2nd
Monie Owsley	KC9HSG	17th
Earl Pfettscher	WN9HRB	9th
Bernie Schmitt	KC9BMA	30th
Tom Washburne	WB9ZFN	20th

If your birthday doesn't get listed please make sure we have it on file by filling out the membership application when renewing. We only want the month and date, so we aren't going to tell anyone how old you are. Filing the membership application also helps to make sure we have your current contact information.

VE Testing

2018 Schedule

September 29

October 20

November **No testing**

December 29



All examinations will be administered at the American Red Cross, Evansville Chapter, located at 29 S. Stockwell Road, Evansville Indiana 47714. Examinations 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](mailto:John.VanVorst@w9og.net) c: 812.305.4100



Secretary Report

TARS August Board Meeting 8/2/18

Secretary Report – no secretary yet

Notes by Len N9QVQ

The Board Meeting was called to order by Dave KC9UVG at 8pm. Officers present were Max KD9ABT, Raymond W9KHP, Mark KC9TYA, Dennis WA2USA, Len N9QVQ and Jeff AA9WJ. Also in attendance were Herb KB9MZH and Chris KE9YK.

There was no Secretary report from the July Board meeting. In the absence of a quorum no official business took place at that meeting. We also had no Secretary's report for the July club meeting as we are still looking for someone to help out and fill in until the end of the year. The Treasurer's Report was read and accepted.

Old Business-The Red Cross Antenna project will be a definite asset to our capabilities for the radio room. In addition, the cost was well under budget and the antenna was in place before the end of Field Day. Thanks to Dennis WA2USA for spearheading this project.

Discussion continued on our first ever Hamtoberfest which will take place October 27th at Lynnville Community Center. The lease has been signed and our fees are paid. We are needing an insurance certificate from our food vendor (aka- The Fry Guy). The vendor has a great menu for our event. More details should be on the web site soon. It looks like we have a spot for VE Testing at the Lynnville Fire Department. There was a discussion on the need for volunteers. Raymond W9KHP will put together a signup sheet. There will be a Foxhunt with 3 separate 2 meter transmitters somewhere in a 2 mile radius of the Community center. We do have folks planning to bring flyers to some upcoming hamfests including Huntsville and Louisville. We also are to be published by the ARRL, both in state and nationally. Dennis put together envelopes and flyers to be sent to 30 clubs in the surrounding area. Len N9QVQ to print a cover letter to send along after Jeff AA9WJ adds postage. TARS received a plaque for our 1st place showing in the INQP.

New Business- August meeting presentation on FLDIGI will be given by Chris N9JCA and Jerry WB9ONU. In October we'll be visiting the Operations Center at the Evansville EMA. Max KD9ABT is still working on the schedule for September, November and December.

Discussion was held on the possibility of having a storage shed on the Red Cross back lot if the Red Cross agrees. There was concern that the budget was getting too low to get a new shed. Questions were raised whether a used shed would be in good enough shape and the problem of transporting it. The board was advised that our finances may be better in January and maybe we should table this suggestion and reconsider it in January. Jeff AA9WJ has filed the Indiana Business Entity Report and states that this will only have to be done every 2 years in the future. Jerry KC9ZAR is looking for a site to put up a 440 IRLP repeater. Herb KB9MZH reports that he may be changing up some different "Eating before the meeting" sites due to closings and restaurants that are moving. September's pre-meeting gathering will be at Long John Silvers on Morgan Avenue.

Submitted by Len N9QVQ (in the absence of an official secretary)

August 9th Club Meeting

The meeting was opened by Dave KC9UVG at 8pm with Introductions. People were asked to include a favorite website, book or other resource. Some of those mentioned include the Ham Radio Go Kit page on Facebook, Nuts and Volts magazine, and Tech Briefs. Hamnation is a good Podcast to catch. Also Neil WB9VPG has a podcast called Ham Talk Live.

Next was an interesting presentation on PSK 31 using FLDIGI by Jerry WB9ONU and Chris N9JCA. Jerry explained how to link FLDIGI to automatically log your contacts into N3FJP's AC Log. Chris explained the basics of setting up FLDIGI and how to set up rig control.

Moving on to the Hamtoberfest on October 27th at the Lynnville Community Center. Inside Tables are \$10 each and admission is free. You can also tailgate outside for free. A table will be set up for doing basic testing on radios to be bought or sold with a dummy load, power supply and some minimal test equipment. There will be a foxhunt and VE testing will take place at the Lynnville Fire Department meeting room. Our Food Vendor, aka – The Fry Guy, will be on hand with an extensive selection of fried foods. Committees will be forming soon, to be coordinated by Raymond W9KHP. Len N9QVQ is gave Jeff AA9WJ 30 addressed envelopes to clubs in the area to encourage them to visit our event. We may sell water or coffee and will take donations to help offset the club's cost. Contact W9KHP to get your table reserved.

Upcoming meeting programs include Foxhunting in September by KE9YK. In October we will tour the Vanderburg Count Emergency Operations Center with Nick Adams KB9RMY assistant director of the EMA. KD9ABT Max says he should have programs lined up for November and December soon. (If you have an idea or wish to show the club something you are doing with Ham Radio, give Max a shout.)

There are several upcoming hamfests including Louisville on September 8th, Huntsville, AL on August 15th. The meeting was adjourned at 0846 pm.

Meeting minutes submitted by Len N9QVQ due to the open Secretary position

Treasurer Report

July 2018 (prepared 8/1/18)

Opening Balance: \$3,975.12

Receipts:

Membership	\$25.00
VE room rental	\$21.00
Total Receipts --->>	\$46.00

Expenditures:

Pd Dennis Martin WA2USA for yard arm and antenna installation	(\$807.17)
Town of Lynnville Hamtoberfest Rental and Deposit	(\$375.00)

Total Expenditures--->> **(\$1,182.17)**

Ending Balance	\$2,838.95
Red Cross funds:	\$961.82

Jeff Holt AA9WJ
TARS Treasurer

FOR SALE

Watch for an e-mail of items up for sale from the estate of Dave Vogel WA9C.

A couple of new items were added to the list with minimum bid prices. If we have more than one person interested at the minimum bid, each will have an opportunity to make a second bid.

If you are interested in anything contact [Len Schmitt N9QVQ](mailto:Len.Schmitt@w9og.net) before the September club meeting.

Your input is important.

Sparks is **YOUR** information source for club activities and local Amateur radio information.

In each issue we ask for submissions from club members. Tell us about your station, projects you have made or are making, anything interesting the TARS membership might be interested in.

Submission deadline is the 25th of the month.

Most any document format is acceptable.

Photos or graphics of your subject are welcome.

Send your article to: sparks@w9og.net

TARS is an [ARRL](#) affiliated club
ARRL [Indiana Section](#)
Section Manager: [Jimmy Merry KC9RPX](#)
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Don't forget to check out our web page

www.w9og.net

Facebook Group

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

TARS E-mail: info@w9og.net

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