

SPARKS

Monthly Newsletter of the Tri-State Amateur Radio Society

Serving the Tri-State for 75 years

December 2022 - Issue No. 12



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.

Material in this newsletter may be reproduced provided that TARS and the article author is properly credited. Complimentary issues of the SPARKS Newsletter are available to amateur radio clubs on a newsletter exchange by e-mailing your request to

sparks.w9og@gmail.com.

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.

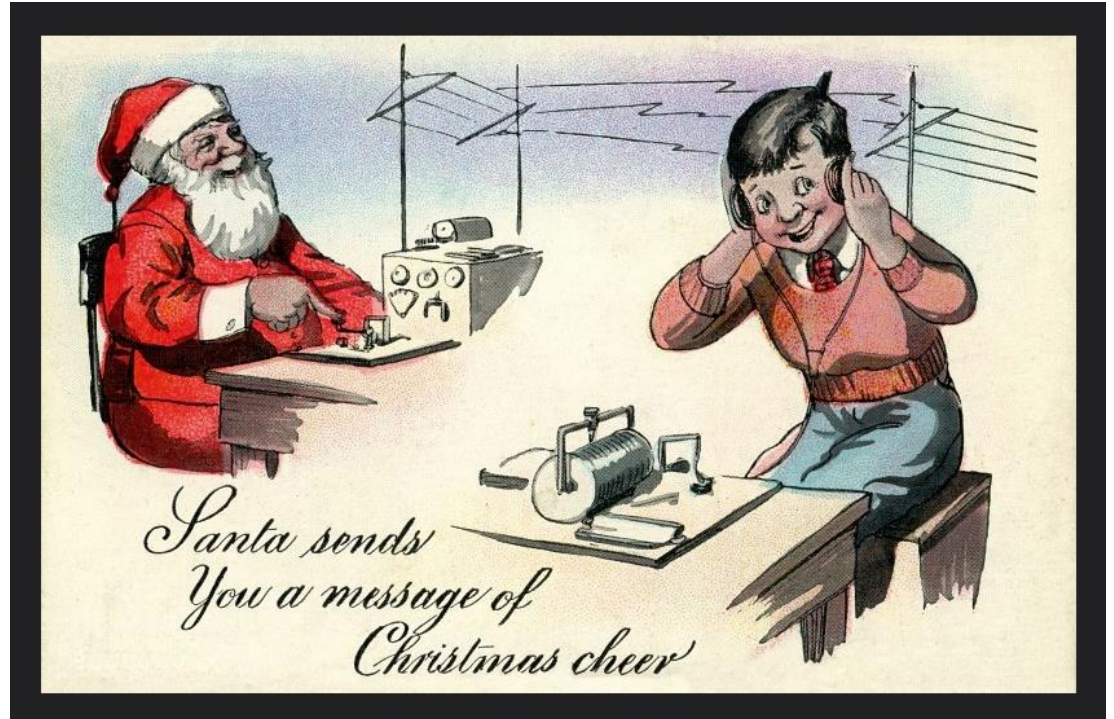
Associate membership is \$25.00 a year. Student memberships are also available for \$12.50 a year.

Membership information is available at www.w9og.net

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 contact one of the TARS officers listed in this newsletter or email info@w9og.net.



President Corner

What a great year 2022 was for TARS! Great events, great meetings, and we saw club growth with new members and new hams! That is exciting! To all of our new members who have joined us over the last few years- WELCOME. Feel free and welcome to make this YOUR club. Ham Radio is such a huge hobby with many facets and opportunities- we were all drawn to this hobby by something. We all need to share that 'something' with the club. New hams and old hams- we ALL have much to learn and much to share. That's what it is all about!

We will kick off the new year right with Winter Field Day!! That will be held at Scott Township Park on January 28. So, mark your calendars and plan to attend! Should be a great time, and it will be a bit more comfortable as we will have an enclosed shelter to operate from. Stay tuned for more info!

I want to wish all of you a very Merry Christmas, and I look forward to 2023 which promises to be as exciting as this past year proved to be.

73!

John N9oL

December TARS meeting

The December TARS general meeting is this Thursday Dec. 8th, 7:00 pm at the Red Cross.

Dec meeting program: **All Things QSLing!**

Jerry WB9ONU will talk about the ARRL QSL Bureau operation and Scott KD4SIR on QSL cards.

Eat'n Before the Meet'n

We will have a meetup before the regular TARS meeting for anyone that wants to join us.

Come out to **Fazoli's, 899 N Green River Rd.**

We will meet at 5:30, for you to grab a bite to eat, swap stories and whatever else you want, giving us time to make it to the Red Cross for the meeting.

Winter Field Day January 28

Mark your calendar for WFD. WFD 2023 plans are under way and will be held at Scott Twp. Park, the location where we held INQP and the picnic last May. Watch for all the details in Jan. SPARKS.

Digital Library of Amateur Radio & Communications

Scott Hibbs, KD4SIR

As part of our 75th Anniversary celebration, I started scanning documents to preserve our history in case of physical damage. I figured at some point our membership would like to see our history and read our beginnings and our accomplishments, especially seeing the great things we have. I struggled with how to share this with the membership but knew as I was scanning that this information was worthy to be shared and admired.

A month ago, I saw an advertisement by ARRL Indiana Section Manager, Bob Burns AK9R about a project called the Digital Library of Amateur Radio & Communications wanting submissions regarding the history of Amateur Radio. The contact was Kay Savetz, K6KJN, the Internet Archive's Program Manager, Special Collections. This project is now about two months old. This is part of Archive.org.

After emailing him and getting approval of our board to share up to the year 2000, I submitted our club's history. We are now a part of the brand new Digital Library of Amateur Radio and Communications (DLARC). We have a collection named after us with our history.

Our Archive is now online and best of all full-text searchable!

Find it here: <https://archive.org/details/tars-radio>

Happy 75th everyone!

Scott, KD4SIR

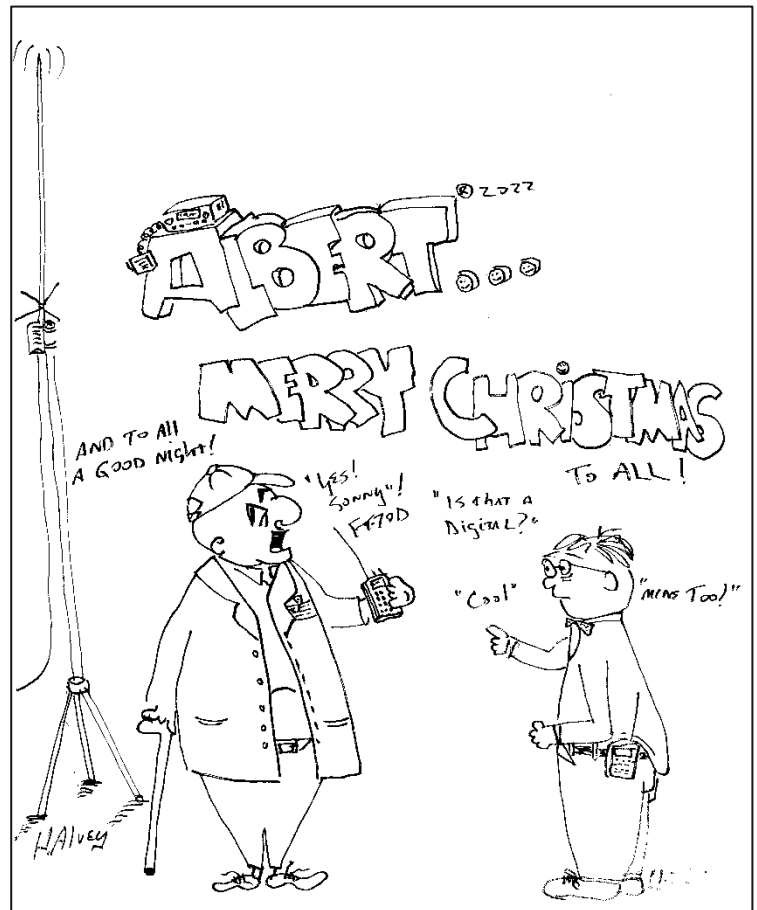
TARS Calendar

December

- 1 TARS Board meeting 6:30
- 3 VE Testing 9:00 am Red Cross
- 7 Tri-State Emergency Net (Dave, KC9UVG)
10m Net following on 28.405 +-
- 8 TARS Club Meeting 7:00pm Red Cross
- 14 Tri-State Emergency Net (Terry, WB9KQF)
- 21 Tri-State Emergency Net (Walt, WB4ZUT)
- 28 Tri-State Emergency Net (Herby, KB9MZH)

January 2023

- 4 Tri-State Emergency Net (Don, KB9YWQ)
- 5 TARS Board meeting 6:30
- 11 Tri-State Emergency Net (Mark, KC9TYA)
- 12 TARS Club Meeting 7:00pm Red Cross
- 18 Tri-State Emergency Net (Chris, KE9YK)
- 25 Tri-State Emergency Net (Dave, KC9UVG)



Herb Alvey KB9MZH

REMINDER! Membership dues are due in January!
The 2023 membership form is attached with this email or downloaded from here: [2023-member form](#)

New Video Online!

John N9OL gave a presentation on TARS Fusion Repeaters which are all linked to the Indiana Link South (ILS) system.

This presentation was during the Tri-State Amateur Radio Society meeting in September 2022.

Link to the presentation: https://youtu.be/PJnA5aw_3oQ

Thanks to Scott KD4SIR for recording and posting videos of our meeting programs. Scott has other informative videos on his YouTube page also. Find Scott's YouTube channel at:

<https://www.youtube.com/@scotthibbs>



Just a reminder for those who use Amazon for Christmas, that using our Amazon Smile Donation is really easy.

Click the link below to start and if you need help several of us that use smile will be able to help.

<https://smile.amazon.com/ch/35-6042852>

TARS has earned **\$249.46** so far. That's over a hundred dollars a year. It costs you nothing and you order as usual, but brings cash to the club with every purchase you make.

Straight Key Night

Objective: This 24-hour event is not a contest; rather it is a day dedicated to celebrating our CW heritage. Participants are encouraged to get on the air and simply make enjoyable, conversational CW QSOs. The use of straight keys or bugs to send CW is preferred. There are no points scored and all who participate are winners.

Details: **Straight Key Night is held every January 1 from 0000 UTC through 2359 UTC.**

More info at: <http://www.arrl.org/straight-key-night>

Amateur Radio License Map

Have you ever wondered if there are any hams close to you? Use this handy map to take a look.

With this map you can find amateur radio license holders in the USA. [Click here](#) for more info.

- Select the type of input (callsign, gridsquare, zip code or street address) on the left.
- Enter an appropriate search value on the right.
- Hit the button.
- Scroll down see the map.

The selection determines the center of the map.

<https://haminfo.tetranz.com/map>

ARRL Central Division News

Central Division members,

CEO David Minster, NA2AA, gave a review of the ARRL's accomplishments during 2022 in his editorial column in the December QST, and he said we are going to see a bright spotlight in 2023 focused on volunteerism in Amateur Radio, especially with the ARRL. In his forthcoming January 2023 editorial column, CEO Minster will be announcing the Volunteers on the Air (VOTA) operating event for 2023. It is structured similar to the 2014 ARRL Centennial operating event that was a huge success. Each state and many US possessions will be operating W1AW/X (W1AW/9 for us in the Central Division) for two weeklong periods. More details will follow in QST and on the ARRL website.

In 2023, I hope you continue your involvement (or start your involvement):

- 1) in public service/emergency communications
- 2) in contributing to the advancement of the radio art
- 3) in advancing skills in both the communication and technical phases of the art
- 4) in expanding the existing reservoir within the amateur radio service of trained operators, technicians, and electronics experts, and
- 5) in continuing and extending the amateur's unique ability to enhance international goodwill

If these five bullets sound familiar, they are the five reasons in Part 97 Amateur Radio Service (of CFR Title 47: Telecommunication) for why we have frequency allocations.

With respect to hamfests and conventions in 2023, eight events have already been approved (five in IL, two in IN and one in WI). Please get your applications to Steve Ewald WV1X at HQ. Hopefully 2023 will be an even better year for these events.

Finally, get radio-active! Solar Cycle 25 continues its ascent, and the higher HF bands (15-meters and 10-meters) are offering worldwide opportunities – even if you run modest power and have simple antennas.

ARRL Central Division

Director: Carl Luetzelschwab, K9LA

k9la@arrl.org



ARRL 10m Contest

For the Tech's out there, here is a contest you shouldn't miss. 10m has been opening up and during the contest it's amazing how many stations you can hear on the band.

Objective: For Amateurs worldwide to exchange QSO info with as many stations as possible on the 10-meter band.

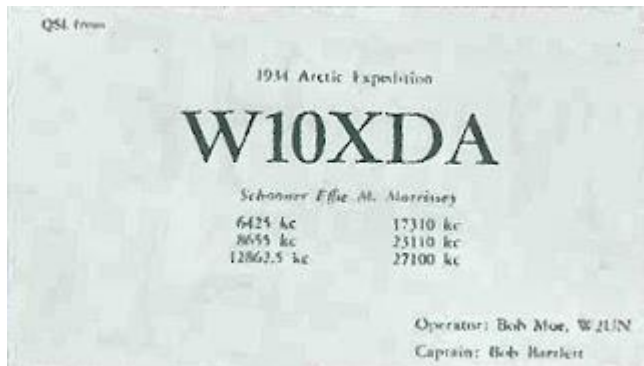
Dates: Second full weekend of December. Starts 0000 UTC Saturday; runs through 2359 UTC Sunday (December 10-11, 2022)

[Click Here for the Complete ARRL 10-Meter Contest Rules \(PDF\)](#)

History of the 11m HAM band

By PE4BAS, Bas [profile link](#)

We know the 11m or the 27MHz (27-Mc) band as CB (Citizens Band) band. Some people refer to it as the "chicken" band. CB radio was very popular before everyone had a mobile phone and internet. When you search for the 11m band history you will read numerous sites about how 11m CB started in 1958 with highlights in the seventies of last century including movies like "Smokey and the bandit", "Convoy" and "Handle with care". But not many know that the 11m was a legal HAM band at least in north/south America, Australia, New Zealand, South Africa and south-west Africa from 1947-1958.



Following several publications first experimental license was given to W6XBC (eXperimental BroadCast) in 1933, the experimental frequency was 27.1 MHz. Actually 27 MHz was considered VHF at that time. Transmissions took place from Yuma, AZ. The aim was to see if VHF was useful for remote broadcast pickups. They transmitted 1 hour per week and asked for reports. At around the same time the same frequency was used by a ship that was on arctic expedition. They used several callsigns, one of them was W10XDA.

But searching for more historical research I found that first commercial licenses were given in March 1928 to 6XAR in San Francisco CA transmitting on 27,523 MHz, 2XBM in Water Mill NY transmitting on 27,900 MHz and 6XJ in San Diego CA transmitting on 27,900 MHz.

In the WW2 years 27MHz communication gear was used in tanks both by Germans and American armed forces. A story that can be read in several old CB magazines is about discovering 27MHz signals heard from German tanks stationed in Africa. Fiction or real, a HAM from Rhode Island recorded some strange voices he

heard on the 11m band. One day he played the recording to a friend who understood German. This friend realized it was some military communication between tanks and base stations. When the US Navy was called in they found out it were tanks from general Rommel in North-Africa. Although the signals came in almost every day it seems best to receive was at a few square miles in the Rhode Island territory. Intelligence immediately took over an old farmhouse at the sweet spot and installed a few 11m receivers and German translators. Every information that was transmitted in North-Africa by the German tanks and base stations was monitored and given to the British. After the war the 27MHz was no longer in use in the military but it certainly proves that this frequency did do well in difficult circumstances.

Other users of 27MHz were doctors that used this frequency for medical uses like diathermy. This, of course, was a huge source of QRM and so the 11m was not really a popular HAM band. In 1947 the FCC allows use of the 11-meter band on a shared basis with Industrial, Scientific and Medical devices. Most HAMS operate on 11m with their 10m antenna, not really effective. In 1948 Firestone Tire Company granted experimental license W10XXD for 27.255 MHz (Ch 23) using two 3Watt transmitters. All documentation about this experiment is lost but these might be forerunners of CB radios as we know it now.

Did you know that the US radio technical planning board proposed to lower the 10m amateur band by 1 MHz to 27-29 MHz. Although this proposal was later withdrawn, the ISM band (27,185 - 27,455 MHz) was not established until 1945, and the FCC hinted that it could be distributed to amateurs as a secondary service.

The 11m HAM band has been changed several times:

27.185-27.455MHz (March 26, 1946 to April 29, 1947) FCC Order 130-D (March 13, 1946), Federal Register Notification (11FR3158, March 26, 1946)

27.160-27.430MHz (April 30, 1947 to June 30, 1949): FCC Order 130-M (April 10, 1947), Federal Register Notice (12FR2815, April 30, 1947)

26.960-27.230 MHz (from 1 July 1949 to 10 September 1958)

The 11m HAM band was not only established in the USA. It seems 11m was also allowed in the America's (Canada, central/south America), South Africa, Southwest Africa, Australia and New Zealand. International DX contacts were certainly possible.

But what did the HAMS do on 11m? Did they use it for nearby contacting or did they do make some DX? I searched in some old magazines to find evidence and found some remarkable things. Activity without the need for a experimental license was from 1947-1958.

- 1947 - The mountaineer amateur radio association operated W8BOK/8 at field day with 6 stations simultaneously. One of the stations operated "27-Mc phone".

- W3CDQ is planning a 27-Mc. 'phone-cw rig for a net composed of amateurs connected with the Central Radio Propagation Lab. (CRPL) ionosphere group.

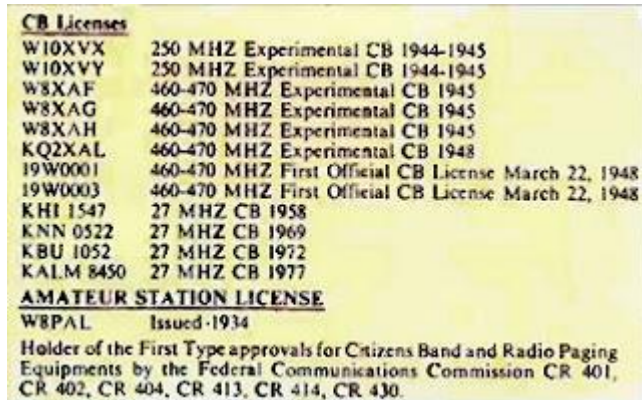
- Several amateur radio stations researched meteor scatter on 27-Mc- 1948 - QST June 1948 reports W9AND, worked EL5A, OX3GE,

VO4T, KH6GT, KII6BI and CXIFB. W6ZZ reports working J9AAI. All on 27-Mc.

- 1950 - The 16th ARRL International competition also counts (DX) contacts on 27-Mc.

- 1957 - The FCC announces the end of the 11m HAM band to use it for "Citizens Band"

"Save 11 meter" contests were hurriedly organized among the Hams to show the FCC that there really was life in the old 11-meter band. About 400 stations rose to the occasion, and many exotic calls were to be heard, such as CX2AY, CN8JW, XE1A, ZP5IB, VK2QL, and KC4AI. Unfortunately, these "protests" are not enough and didn't help to convince the FCC.



The 11m HAM band came to an end. September 11 1958 was the date that 11m would be known as "Citizens Band". In fact Al Gross W8PAL is by most seen as the man that invented CB, although the idea was already brought up in 1938 by Herbert Brooks W9SDG. His letter to the editor of QST magazine described a theoretical "Citizens Band" nearly identical to what we know today. Al Gross actually developed equipment for the UHF band since CB on an experimental basis at that time was on 250MHz and later between 460-470MHz. It looks like he had the first official CB license issued in 1948. But W2XQD was really the first one with a CB license issued February 14, 1947. It would actually take another decade before CB started on the 11m band.

Link to the original post:

<https://pe4bas.blogspot.com/2022/10/history-of-11m-ham-band.html>

The Radio Society of Great Britain (RSGB) To Host The Transatlantic Centenary Tests

The Radio Society of Great Britain (RSGB) will host The Transatlantic Centenary Tests during December 2022. The international event celebrates the centenary of the transatlantic success of the RSGB in December 1922.

On December 24, 1922, the very first verified amateur radio signal from Europe was received in North America. The signal originated from the RSGB station (G)5WS at Wandsworth in South London, as part of the Third Transatlantic Tests.

Unlike the tests of the 1920s, which consisted of one-way communication, the December 2022 tests will encourage worldwide two-way communication with the United Kingdom and Crown Dependencies. There will be a series of awards

available for making contacts with those who are activating special call signs.

For this centenary celebration, the RSGB has renewed five call signs, which they held in the 1920s:

- G5WS, from the 1922 tests -- "the first to get across"
- G5AT, from the 1923 tests
- G6XX, from the 1923 tests
- G6ZZ, used for the first amateur tests on a moving railway train in 1924
- G3DR, Scottish Highlands Call -- GM3DR

These historic call signs will be activated by RSGB members and clubs, using G5WS, G5AT, G6XX, G6ZZ, G3DR (England), GM5WS (Scotland), GW5WS (Wales), GU5WS (Guernsey), GD5WS (Isle of Man), GJ5WS (Jersey), and GI5WS (Northern Ireland).

Full details of how to participate are available on the RSGB website at <https://rsgb.org/transatlantic-tests>.

Brag Rag

This is Mark Holland K00EE. He's got a lot of certificates of his achievements doing contests and activations (a lot of which are CW), however, this is his favorite certificate. It is an ARRL Mentor Program Elmer Award. He was nominated by Landon Mohler N9PFU.



Mark is a very humble guy, but I convinced him to smile for a picture so it could be in the brag rag. Thank you Mark for sharing!
- Scott KD4SIR

Do you have something you would like to submit for the Brag Rag? Send your QSLs, special event certificates, awards, interesting photos, projects etc. to sparks.w9og@gmail.com to have them included in your newsletter.

December Birthdays!!!

KD9PFH	Tom Hilgeman	1
WB9QVR	Esche Brian	1
N7GT	Greg Galka	4
N9XXH	Terry Hammers	5
N9OL	John Van Vorst	9
KD9NCP	Rodney Witherspoon	10
KB9MZH	Herb Alvey	12
KD0EE	Mark Holland	19
KC9HWQ	Chris Politano	20
KC9SYL	Gene Flick	25



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, upcoming events, topics of general interest and from time-to-time good old-fashioned rag chewing.

We are currently holding a 10m net immediately following the 2m net on the **FIRST WED OF THE MONTH** as part of our 75th anniversary celebration.

Look for us on or about 28.405.

All of the techs out there with HF give us a try.



Vanderburgh Co. AUXCOM

The next Vanderburgh county ARES/RACES meeting will be January, 6:30pm at the Vanderburgh Co. EMA west side training facility, **1440 Harmony Way**. Anyone interested in emergency communication in Vanderburgh County is invited to participate.



Vanderburgh County Auxcomm

Chris KE9YK IN82RACES@gmail.com

Vanderburgh Co RACES Officer

812.453.1972 Hamshack Hotline 12604

Warrick Co. ARES/RACES

The Warrick County ARES/RACES group meets on the second Monday of each month. The meeting begins at 6:30pm and generally is completed by 9:00pm. The meetings are held on the third floor of the Court House in the EMA Conference room. Anyone needing additional information concerning meetings or location contact: Chris L. Owen at KC9CLO@gmail.com

VE Testing

2023 SCHEDULE COMING SOON



Details can be found at: <http://w9og.net/ve-testing>

For more info contact: John VanVorst N9OL c: 812.305.4100

HAMFEST CALENDAR

- January 7 | [Ham Radio University](#), hosting the ARRL New York City-Long Island Section Convention, **Online Event**
- January 28 | [Winterfest](#), hosting the ARRL Midwest Division Convention, Collinsville, Illinois
- February 10 - 12 | [Orlando HamCation](#), hosting the ARRL Southeastern Division Convention, Orlando, Florida

• October 14th 2023 HAMTOBER FEST

Watch for info
Coming Soon!



Treasurer Report

Financial Report for
October 2022 (prepared 11/01/22)

Opening Balance:	\$5,962.63	
Receipts:		
Memberships	\$55.00	
Hamtoberfest income	\$2,493.62	
Total Receipts --->>	\$2,548.62	
Expenditures:		
SouthWest Grafix & Apparel, Inc. (check #1113)		(\$809.34)
Total Expenditures--->>	(\$809.34)	
Ending Balance	\$7,701.91	
Red Cross balance	\$1,374.82	
Funds Available to TARS	\$6,327.09	

Tom Hilgeman KD9PFH
TARS Treasurer

Secretary Report

TARS Board Meeting 11/3/2022

Zoom meeting called to order at 6:30 by John N9OL

Members present, John N9OL, Scott KD4SIR, Tom KD9PFH, Chris KE9YK, Mike W9KXP, Charlie WB8LDV, Jerry WB9ONU, KC9UVG, Dave, Don KB9YWQ, Dennis WA2USA, Walt WB4ZUT and K3LWD Duane

- Treasurer Report Tom KD9PFH ending balance of \$7,701.91, Accepted

We had a Hamtoberfest refund for \$225 + the cleaning deposit of \$150. Because the building was dirty when we went in and we cleaned it before we left. We spent \$668.64 for the raffle radios.

- We received the yearly insurance bill and it is up \$100 because they added the cyber insurance again. Tom will have them remove that and anticipates the amount due will be \$343.00. Dave KC9UVG made a motion to pay the insurance once the cyber ins. was removed. Second by Mike W9KXP. Motion Passed.
- Secretary Report Chris KE9YK, accepted
- Hamtoberfest – Discussed time for next year 7am to Noon.

Dennis said the vendors were happy and made some money.

Need to discuss the raffle for next year. Didn't make much on it this year. But it is good to draw people in

Walt asked about biscuits and gravy. Consensus is that it takes too much time and the kitchen area isn't really set up to do it easily.

John noted that RF Headquarters is somewhat local and comes to the hamfest so it would be good if people consider them when looking to buy radio stuff.

Discussion on adding wording to have the flea market be radio related items.

Jerry mentioned that it might be good to let people know that there is a campground nearby.

Date for next year: October 14th 2023.

- The 746 PRO did not sell at the hamfest and John N9OL is going to list it for \$750 with shipping.
- Next week, Elections and program by Chris KE9YK on antennas
- Dec meeting: Cookies ? Refreshments? Program: Jerry ARRL QSL Bureau and Scott on QSL cards. All Things QSLing
- Jan meeting: Logging programs and how to do logging.
- We will try to continue to have ZOOM meetings of our regular club meetings.
- New Business: Scott KD4SIR had reached out to the Radio Digital Archive, about internet archive of TARS club history. After a discussion John N9OL made a motion to post our history up to the year 2000. Second by Charlie WB8LDV. Motion Passed.
- Discussion on the election ballot. Tom will have extra copies of the ballot at the meeting.

Meeting adjourned 7:20pm

Respectfully submitted

Chris Lantaff KE9YK, TARS Secretary

TARS General Meeting 11/10/2022

Meeting called to order by John N9OL, 7:00 pm at the Red Cross

We had introductions from everyone with 27 in attendance and 6 online.

- Treasurer Report - Tom KD9PFH ending balance \$7,701.91 accepted
- Secretary Report - Chris KE9YK no report for October at this time. Secretary was absent.
- It was reported that Charlie's wife Connie KD9KJG surgery went great.
- Hamtober Fest – Went well, had lots of help. Made about \$1824.00 with donations, sales of donated equipment and the raffle. It will be held on October 14th in 2023.
- December meeting: Everything QSL
- January meeting: Logging Software
- January: Winter Field Day will be held at Scott Park
- February: Banquet, looking for suggestions on location
- Scott – Internet Archive: The board voted to send any club history, Newsletters, Meeting minutes and such to be archived in the new Radio Club and communication Archive. TARS will have it's own folder in the archive. If anyone has anything they would like to contribute get in contact with Scott, KD4SIR. Specifically looking for things like copies of printed SPARKS and any other items of historic significance to TARS.
- Dennis WA2USA gave John N9OL the QSL cards he had received for the TARS 75th Anniversary special event. John also had some of the extra 75th Anniversary cards for those that wanted one.
- John said there are a very few T-shirts left and to see him if you would like to purchase one.
- Announcement of the Election Ballot results:

2023 Officers

- President: Scott Hibbs KD4SIR
- Vice President: Jerry McIntosh WB9ONU

- Treasurer: Tom Hilgeman KD9PFH
- Secretary: Chris Lantaff KE9YK
- Board 2023-2024
 - Charlie Martin WB8LDV
 - Walt Egenmaier WB4ZUT
 - Brian Esche WB9QVR
- Thanks to all that stepped up to run for an office!
- Program: Chris KE9YK - Antennas

TARS is an [ARRL](#) affiliated club
ARRL [Indiana Section](#)
Section Manager: Bob Burns [AK9R](#)



TARS mailing address:
TARS
P.O. Box 4521
Evansville, IN 47724

Respectfully submitted
Chris Lantaff KE9YK – TARS secretary

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@gmail.com

Looking Ahead

2023

Straight Key Night January 1 from 0000 UTC through 2359 UTC

ARRL Kids Day Jan First Saturday

Winter Field Day January 28 2023

TARS Banquet Feb

TARS PICNIC / INQP May

MUSEUM SHIPS WEEKEND June

ARRL Kids Day June Third Saturday

Field Day June

[13 Colonies Special Event](#)

National Night Out first Tuesday of August

International Lighthouse and Lightship Weekend (ILLW) third full weekend of August

[Route 66 Special Event](#) September 11-19

TARS 4th annual Hamtober Fest October 14th 2023

[Great SHAKEOUT](#) third Thursday of October

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

SKYWARN Recognition Day, First Saturday, December

[Total Solar Eclipse North America April 8, 2024](#)

Don't forget to check out our web page www.w9og.net

Facebook Group

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

TARS Groups.IO <https://groups.io/g/TARS>

TARS E-mail: info@w9og.net

2022 Club Officers - Board members

President [John VanVorst N9OL](#)

Vice President [Scott Hibbs KD4SIR](#)

Treasurer [Tom Hilgeman KD9PFH](#)

Secretary [Chris Lantaff KE9YK](#)

Board of Directors

[Mike Townsend W9KXP](#) (2021-2022)

[Charlie Martin WB8LDV](#) (2021-2022)

[Don Land KB9YWQ](#) (2022)

[Herb Alvey KB9MZH](#) (2022-2023)

[Jerry McIntosh WB9ONU](#) (2022-2023)

[Dave Sandine KC9UVG](#) (2022-2023)

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Chris Lantaff KE9YK

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