



News from

The GLORIOUS SOCIETY OF THE WORMHOLE

April 2024

Hello Worms

One of the articles below is about the NASA project that needs ham radio help. I have added another paragraph below that about other NASA Citizen Science Projects.

Before the meeting the radio will be on for information about and directions to the meeting but that will discontinue when the meeting starts. We will continue with Zoom for now but the 40 minute limit does make it awkward at times. The Zoom information is the same as all the other meetings and is listed towards the end of this newsletter.

In the meeting we will have donuts, water and soft drinks (probably only root beer). Bring your drink and lunch if you want. We will not be cooking but we have access to the Chamber of Commerce kitchen which has a microwave and a toaster oven so you can heat up/cook what you bring.

***HELP NEEDED! ***

Michael Bresse 3-26-2024

We are 22 days out from the first running of the BikeMS Suncoast Challenge (formerly the BikeMS Citrus Tour). The 2024 Suncoast Challenge is now a one-day event on April 20th, 2024. It will start and finish at Lakewood Ranch Main St in Lakewood Ranch.

We are very short on SAG operators, and we are 4 operators short for rest stops. If you are able to come out and help, **PLEASE** let me know ASAP so I can get you on my roster. We have several people that indicated back in September that they thought they would be able to assist. I have emailed several of you off list a few minutes ago to see if you can help. If I did not email you, please respond to me off list at mike@slbservicesgroup.com and let me know if you can help.

We can't safely run this event without your help.

Thank you,

Michael Bresse – W2YS Amateur Extra
2024 Suncoast Challenge – NET Manager / NET Control / SAG Coordinator

***HAM RADIO OPERATORS, WE NEED YOUR HELP DURING SOLAR
ECLIPSES! ***

Nasa.gov

Ham Radio operators, we're calling you! Members of the Ham Radio Science Citizen Investigation (HamSCI) will be making radio contacts during the 2023 and 2024 North American eclipses, probing the Earth's ionosphere. It will be a fun, friendly event with a competitive element—and you're invited to participate.

Both amateur and professional broadcasters have been sending and receiving radio signals around the Earth for over a century. Such communication is possible due to interactions between our Sun and the ionosphere, the ionized region of the Earth's atmosphere located roughly 80 to 1000 km overhead. The upcoming eclipses (October 14, 2023, and April 8, 2024) provide unique opportunities to study these interactions. As you and other HamSCI members transmit, receive, and record signals across the radio spectrum during the eclipse, you will create valuable data to test computer models of the ionosphere.

For more information, go to <https://hamsci.org/festivals-eclipse-ionospheric-science>

More about solar eclipses:

<https://solarsystem.nasa.gov/eclipses/home/>

*** MORE NASA STUFF ***

By your editor

NASA has a bunch of science experiments asking for citizen help. They are all part of the NASA Citizen Science Projects. Specific to amateur radio is the HamSCI, the Ham Radio Science Citizen Investigation. It is a platform “for amateur radio operators and enthusiasts to use their skills to advance scientific research and understanding of our ionosphere.” The eclipse event is just one of the experiments. Go here for more information: <https://science.nasa.gov/citizen-science/ham-radio-science-citizen-investigation/>

To see the whole list of science projects looking for civilian participation go to:

<https://science.nasa.gov/solar-system/skywatching/contribute-to-nasa-research-on-eclipse-day-and-every-day/>

* WEB PIONEER FORESEES BIG TECH BREAKUP *

Derive red from several websites

- The World Wide Web officially turns 35 Tuesday, marking a major milestone in the development of modern technology.
- Tim Berners-Lee is credited with inventing the World Wide Web in 1989 while working at CERN, the Swiss particle physics research center.
- Berners-Lee told CNBC his top predictions for the future of the web — and how it will be transformed by artificial intelligence.

Forward-looking: Tim Berners-Lee submitted a proposal for the World Wide Web on March 12, 1989, while working as a scientist at CERN. The invention would change the course of human history. Now on its 35th anniversary, Berners-Lee has shared some predictions regarding the future of the web.

The technologist believes artificial intelligence will be big, and that everyone will have a personal digital assistant that they can trust, kind of like a doctor. Robert Blumofe, CTO at tech firm Akamai, took it a step further by envisioning a future where AI agents take over the web and perform day to day tasks on behalf of humans.

We will still turn to the web for entertainment like TV shows, movies, and games, Blumofe notes, but that might be the extent of it.

"Human beings can go back to our lives in the physical world greeting each other face to face as a physical experience, rather than a virtual experience," Blumofe said.

Elsewhere, Berners-Lee thinks future us will have full control over our data on the web. One way this could come to fruition is through the use of data pods, which Berners-Lee is already working to develop through Inrupt - a commercial venture to help build Solid.

Another vision involves virtual and mixed reality tech becoming far more integrated into our daily lives. For example, one might be able to start a task using a VR headset then take it off and seamlessly move to a larger screen like a television. And if you suddenly need to leave, everything can come with you on your phone.

"The experience will be as one. It should very smoothly go between different devices," Berners-Lee said.

Something that could happen sooner rather than later is a Big Tech company being forced to break up. Recent changes like the adoption of the Digital Markets Act could signal bigger

changes on the way, although Berners-Lee said he does not know which companies might be targeted.

Berners-Lee and Blumofe are surprisingly optimistic about the future of the web, especially considering how topics like data privacy and being disconnected from the real world have played out in recent years.

*** GOOGLE PAID \$10 MILLION IN VULNERABILITY REWARDS***

GOOGLE by Sarah Jacobus, Vulnerability Rewards Team

Last year, we again witnessed the power of community-driven security efforts as researchers from around the world contributed to help us identify and address thousands of vulnerabilities in our products and services. Working with our dedicated bug hunter community, we awarded \$10 million to our 600+ researchers based in 68 countries.

New Resources and Improvements

Just like every year, 2023 brought a series of changes and improvements to our vulnerability reward programs:

- Through our new [Bonus Awards](#) program, we now periodically offer time-limited, extra rewards for reports to specific VRP targets.
- We expanded our [exploit reward program](#) to Chrome and Cloud through the launch of v8CTF, a CTF focused on V8, the JavaScript engine that powers Chrome.
- We launched [Mobile VRP](#) which focuses on first-party Android applications.
- Our [new Bughunters blog](#) shared ways in which we make the internet, as a whole, safer, and what that journey entails. Take a look at our ever-growing repository of posts!
- To further our engagement with top security researchers, we also hosted our yearly security conference ESCAL8 in Tokyo. It included live hacking events and competitions, student training with our [init.g workshops](#), and talks from researchers and Googlers. Stay tuned for details on ESCAL8 2024.

As in [past years](#), we are sharing our 2023 Year in Review statistics across all of our programs. We would like to give a special thank you to all of our dedicated researchers for their continued work with our programs - we look forward to more collaboration in the future!

*** YOUTUBE CREATORS MUST NOW 'FESS UP TO USING AI***

The Register by Brandon Vigliarolo

YouTube has warned content creators that, beginning today, certain uses of AI in their videos must be clearly labeled.

The team at the Google-owned video site said a new tool has been added to the Creator Studio, effective immediately, where uploaders *can* tag videos containing altered or synthetic media that could be mistaken for real. Videos tagged this way will show a relevant label, either in the expanded description or on the video itself, depending on the sensitivity of the subject matter.

While saying uploaders have the option of ticking the box to indicate their content was made with AI is true in the strictest sense, it's not actually optional. For applicable uses of synthetic or altered media, disclosure is mandatory.

"The new label is meant to strengthen transparency with viewers and build trust between creators and their audience," YouTube said, adding: "We're not requiring creators to disclose content that is clearly unrealistic, animated, includes special effects, or has used generative AI for production assistance." Production assistance includes generating scripts and content ideas, automating captions and the like, YouTube said.

Google announced plans to require AI-generated content labeling in November of last year.

As for when the use of AI has to be disclosed, YouTube said it needs to be shared any time it includes "content a viewer could easily mistake for a real person, place or event," as explained in more detail on a new Google help page on the topic.

That includes making a real person appear to do or say something they didn't, altering footage of a real event or place, or generating a realistic scene that didn't actually occur.

In some "realistic" cases the disclosure isn't required, such as when AI is used to change color balance or lighting, blur backgrounds, or create film effects. The use of "beauty filters or other visual enhancements," doesn't need to be tagged either, though it could be argued such use may be harmful.

CLUB MEETING and ZOOM

The meeting time is 1100 on Saturday morning at the Lurie Civic Building on the St Petersburg College campus in Seminole. Turn west at the light at 113th St N and about 92nd Ave N. It's the first building on the north side. Here is a link to a Google map: [Google Maps](#). There are a few parking spots in front the Chamber building but double parking is fine since we will be able to find the owner to move his vehicle if necessary. Alternately if you go another 100 yards past you can park in the college parking lot. Below is the Zoom information, same as last month. The ZOOM meeting is limited to 40 minutes so I will start it early and restart it to cover the whole meeting.

Topic: Bill Williams' Zoom Meeting
Time: This is a recurring meeting Meet anytime

Join Zoom Meeting
<https://zoom.us/j/2737114584?pwd=d1BETHVOQ21vWWZXZ0lYQ0FIWWtldz09>
Meeting ID: 273 711 4584
Passcode: worm



CLUB NETS

Check in on the club net Thursdays at 1930 and 2000 (or at the end of the 2M net). 2M at 146.850 – with a tone of 146.2. Our 6M net runs after our regular 2M net on 53.150 – 1MHz offset 146.2 tone.



LOCAL NETS

MONDAY

1830 147.060+ no tone	St Pete ARC daily net	St Petersburg
1900 144.210 USB	CARS, vertical polarization	Clearwater
1900 147.135 +146.2	Zephyrhills ARC	Zephyrhills

2000 147.165+ 136.5	Brandon ARS	from Brandon
2000 50.135	Pinellas ARK	Pinellas County
2030 NI4CE system	EAGLE Net, NTS traffic net,	NI4CE system
2030 145.450	Pinellas ARK	Pinellas County

TUESDAY

1830 147.060 no tone	St Pete ARC daily net	from St Petersburg
1900 50.200 USB	6M net	Brandon ARS
1900 28.365 USB	10M Net	Clearwater
1900 NI4CE system	WCF Section VHF ARES	NI4CE system
1930 145.170 & 442.4 both pl 156.7	Pinellas ACS net	Clearwater
1930 444.900 +141.3	Sheriff's Tactical ARC	Tampa
2000 NI4CE system	WCF Skywarn net	NI4CE system
2000 147.105+ 146.2	Tampa ARC net	from Tampa
2000 28.365 USB	simplex	Brandon ARS
2030 NI4CE system	EAGLE Net, NTS traffic net	NI4CE system
2100 28.465 USB	10/10 net	from Orlando
1900 146.490 simplex	3 RD Tuesday monthly, Hillsborough Co ARES simplex Net	

WEDNESDAY

1830 147.060 no tone	St Pete ARC daily net	from St Petersburg
1900 147.165 + 136.5	Humpday Net	from Brandon
1930 52.020 simplex	Suncoast 6'ers	from St Petersburg
1930 NI4CE system	WCF Section Digital Info Ne	NI4CE system
2000 147.105 146.2	Greater Tampa CERT net	from Tampa
2000 146.97- 146.2	Clearwater ARS	from Clearwater
2030 NI4CE system	EAGLE Net, NTS traffic net	NI4CE system

2100 NI4CE system	Tampa Bay Traders Net	non-affiliated
0000-2359 HF Winlink	Winlink Wednesday Net https://winlinkwednesday.net/reminder.html	

THURSDAY

1800 146.52 simplex	Hillsborough ARES/RACES	North Tampa
1830 147.060 no tone	St Pete ARC daily net	from St Petersburg
1900 444.750 +146.2	Fusion net	from Tampa
1915 224.660- no tone	St Pete ARC	from St Petersburg
1930 146.6385 -127.3	Lakeland ARC	from Lakeland
1930 440.0 +162.2	Hillsborough ARES/RACES	from Tampa
1930 146.850- 146.2	Wormhole	from Pinellas Co
2000 53.150 -1MHz 146.2	Wormhole	from Pinellas Co
2030 NI4CE system	EAGLE Net, NTS traffic net	NI4CE system

FRIDAY

1830 147.060 no tone	St Pete ARC daily net	from St Petersburg
1900 3.830 LSB	Brandon 80M Net	from Brandon
2030 NI4CE system	EAGLE Net, NTS traffic net	NI4CE system

SATURDAY

0730 3.940 (7.281 Alt.)+/- QRM	WCF Section HF Net	from WCF
1830 147.060 no tone	St Pete ARC daily net	from St Petersburg
2030 NI4CE system	EAGLE Net, NTS traffic net	NI4CE system

SUNDAY

0800 3.933	Florida Traders Net	non-affiliated
1830 147.060 no tone	St Pete ARC daily net	from St Petersburg
1930 NI4CE system	WCF Section Net	NI4CE system
2000 147.550 simplex	550 Simplex Net	Pinellas County

2030 NI4CE system

EAGLE Net, NTS traffic net

NI4CE system

2100 144.210 USB

Clearwater ARS

vertical orientation

FOR SALE / WANTED

Anyone having something for sale or who might be looking for an item let me know. I will not print phone numbers or email addresses unless specifically told to since this newsletter might end up on the web. The exception is when I get the information off the web. If you are a member of the Wormhole then you can ask club members for the persons contact information. If you are not a member ... why not? OK, if you are not a member you can contact me at the email address at the end of this newsletter, I will give you the information to contact the person involved. If you want to see anything here and you are coming to the meeting let the seller know, maybe he can bring it.

FOR SALE,

See Bill AG4QX for the following: most from SK estate, make me an offer.

*Heathkit HD-1215 Phone patch \$15 looks ok

*Drake WV-5 wattmeter \$90 looks ok

*Wacom WP-604-C low band cans. Can be moded for 6M, talk to Bill

HAMFESTS

2024

April 13

TARCFest TARC Clubhouse, 22nd St at the river, 8AM-1PM, \$5 entry including tailgate, a few inside tables must be reserved in advance, talkin on 147.105 +146.2, license testing after, more info at <http://hamclub.org/>

May 17-19

Xenia, Ohio, Dayton HamVENTION, ARRL NATIONAL CONVENTION, tickets \$30 at the door, \$26 in advance, tailgate \$30, 10x10 booth \$705, TALKIN There is a 6M, 9 2M, 4 220, 7 440 and a 440 P25 talking radios surrounding the hamfest and roads to it.
<https://hamvention.org>

May 25 **WormFest 2024**, Pinellas Park, admission FREE, tailgate free, Freedom Lake Park, 9990 46th St N, southeast corner of US 19 and 49th Street, 33782. Park opens at sunrise for vendor setup, hamfest starts at 0800. Talk-in on 146.850 – 146.2. All FREE! For a map and directions see <http://www.TheWormholeSociety.org> .

June 22

August 24 TARCfest TARC Clubhouse, 22nd St at the river, 8AM-1PM, \$5 entry including tailgate, a few inside tables must be reserved in advance, talkin on 147.105 +146.2, license testing after, more info at <http://hamclub.org/>

October 19 Bradenton, Marcifest 2024, Bible Baptist Church of Bradenton 2113 Morgan Johnson Rd., talkin 146.850 -100.0, admission \$5, tailgate \$5, contact Michael Ryan at 941-376-6453, flyer here: <http://manatee.startlogic.com/WP/wp-content/uploads/2023/09/MARCIFEST-2023-1.pdf>

December 13 & 14 **Plant City, the 2024 Tampa Bay Hamfest and West Central Florida Section Convention**, Friday and Saturday, at the Strawberry Festival grounds, admission \$13, 16x40 ft tailgate space \$10, electric \$10, for information contact Bill Williams AG4QX, chairman@fgcarc.org or go to <http://www.tampabayhamfest.org> or you can just ask me, Jim or Dee at a meeting ;-)



Last full weekend January	Winter Field Day https://www.winterfieldday.com/
Late January	Gasparilla celebration
Late February	West Central Florida Tech Conference http://arrlwcf.org/wcf-special-events/wcftechconference/
March/April	MS Walks
April	MS bike now named Suncoast Challenge http://www.citrustour.org/register.php
March/April	Mass Casualty Exercises

Late April	Southeastern VHF Society Conference, http://www.svhfs.org
Late April	Florida QSO Party
Mid May	March For Babies (was March of Dimes) https://www.marchforbabies.org/Registration/Events
Mid May	Annual Armed Forces Crossband Test
Mid-May	Florida Hurricane Exercise
Late May	Dayton Hamfest
May, Memorial Day Weekend	Wormfest
First weekend in June	Museum Ships on the Air
Fourth weekend in June	Field Day http://www.arrl.org/contests/announcements/fd/
Third weekend in August	International Lighthouse/Lightship Week https://illw.net/
September	Run for All Children's
October, 3 rd weekend	JOTA, Scout Jamboree-on-the-AIR (around 14.280MHz)
Early December	ALS bike ride in Walsingham Park
December, Second weekend	Tampa Bay Hamfest http://www.fgcarc.org/

YOUR WORMHOLE OFFICERS

Bill AG4QX is President and editor of this newsletter, the Vice President position is open, Treasurer is Jim KD4MZL, Paul KA4IOX is the Secretary, Dee N4GD is the Repeater Trustee and Mike KV0OOM is our webmaster.

YOUR WORMHOLE REPEATERS

53.150 -1Mz PL 146.2

442.625 +5Mz PL 146.2

146.850 - 600Kz PL 146.2

The Wormhole 2M and 440 repeaters are both now dual mode Yaesu DR-2X. FM analog as always and Yaesu Fusion, a C4FM digital mode.

The Wormhole website is at: <http://www.TheWormholeSociety.org>.

West Central Florida Section website: <http://www.arrlwcf.org/>.

The ARRL website is at: <http://www.arrl.org/>

This newsletter is written for The Glorious Society of the Wormhole, an ARRL affiliated amateur radio club located around the Seminole section of Pinellas County Florida. Anyone wishing to be added or removed from The Glorious Society of the Wormhole mailings please write to me at the address below and thy will be done.

73,

Bill Williams

AG4QX

[ag4qx AT arrl DOT net](mailto:ag4qx@arrl.net)