



News from

The GLORIOUS SOCIETY of THE WORMHOLE

June 2026

Hello Worms

THE MEETING WILL NOW START AT 1000. Another organizations meeting is starting at 1230 meaning they arrive at 1200. Unfortunately, that means our meeting after meeting that sometimes runs for hours will no longer be available. We could always go somewhere and get a cup of coffee.

You probably have not noticed but we have a different mascot in the header above. We needed a high-resolution picture for the combined Field Day marketing material and the only one I had was not appropriate so Paul fixed it, thank you Paul. The 'new' mascot was already in use on shirts and my file box but the old was on the newsletter and coversheet. Don't see the difference? Open last month's newsletter. The truth is I never noticed they were different. I will change anything I have to the new one but on the newsletter may change between the three available, plain as above, with name and with name and call.

A reminder that the Hillsborough County ARES/RACES holds a two Saturday Technician and General license classes about every three months. The next class is July 25 and August 8. Class costs \$45 which includes the book and testing costs. Testing is the afternoon of the second Saturday. For future classes ask your editor for the dates. Alternatively, or in addition to, a free online General license class is being for held starting June 2. See the article below for more information.

The Museum Ship Weekend is June 6 and 7. Our American Victory Ship will be active so get on the air and log a ship or a bunch of ships. The current list is 108 museum ships participating this year. For all the info go to the battleship New Jersey Museum ship webpage at <https://www.nj2bb.org/museum/> .

Bring your drink of choice and lunch to the meeting 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.

If you are going to visit the combined Filed Day site then you need to let them know when you plan on arriving. Please send me an email and I will forward the information to them.

DID YOU KNOW

One of the largest pyramids in the world is a Bass Pro Shops in Memphis, Tennessee. If you're not able to travel all the way to Egypt to see the great pyramids in Giza, then you might want to plan a trip to Memphis, Tennessee, to see the local [Bass Pro Shops Megastore](#). At 321 feet tall, with a 535,000-square-foot interior, it's one of the largest pyramids in the world and features a hotel, an indoor swamp, an aquarium, a bowling alley, and the world's tallest freestanding elevator, which can take you to an observation deck.

THIS MONTH'S STIFF – GEORG SIMON OHM

Dead Electrical Dudes No. 5

Entered Mortal coil: 16 March 1789

Assumed Room Temperature: 6 July 1854

One of the favorite movies of my misspent youth was National Lampoon's *Animal House*. In this film, we see fraternity boys carousing, drinking, womanizing, gambling, and generally not taking anything seriously. Not surprising is the fact that most of the boys have abysmal grades, and that their fraternity has been placed on "super secret" probation. Georgy would have fit right

in. Ohm's father, Johann, was a self-educated working class man, i.e. blue collar, who had apparently busted his chops getting Georgy into Erlangen University. The old man was fed up with rumors of his son's excessive dancing, ice skating, and pool playing. After only three semesters, Georgy was pulled out of school and sent to Switzerland where he more or less had to grow up.

What followed after this enforced leave of absence from Erlangen was a series of unsatisfying teaching posts as young Ohm drifted through life. All he wanted was a full professorship at a prestigious institution. Ohm further educated himself and conducted independent research while holding a teacher's position at the Jesuit Gymnasium of Cologne starting in 1817. Publishing his research, Georgy realized, would get him that coveted post, and research he did! In 1827, after a considerable amount of labor, head scratching, and experimentation, he published his results in the paper *Die galvanische Kette, mathematisch bearbeitet*. This was quite a mouthful, even in German (read Mark Twain's essay, "The Awful German Language", if you really want to laugh). Anyway, the end result of all that formal written Hun verbosity was

$$E = I \times R$$

Volts = Amperes times Ohms.

This simple little formula defines all things electrical and electronic. If you don't know it, learn it, or at least do a little bit of research on your own. I can't do everything for you kids, okay?

Unfortunately, this electrical thunderbolt out of the blue went largely unnoticed, and Ohm's theory was greeted with less than rampant enthusiasm from his professional peers. In 1841, the Royal Society awarded Georgy the Copley Medal, acknowledging his contributions in electrical research. In 1852, Ohm achieved his lifelong dream and became the Chair of Physics at the University of Munich. The Reaper had the last laugh as poor Ohm only got to enjoy the fruits of his labor for two years before being mowed down by the aforementioned Reaper's scythe in 1854. Poor Georgy!!!

Ohm's Theory is now Ohm's Law. Learn it. Live it. Don't ever forget it!!!

Philip Neidlinger, PE

KA4KOE

A CHATBOT ONLY TRAINED UP TO 1930

Malwarebytes Labs by Danny Bradbury | April 29, 2026

The internet's chatbots have read every forum rant, leaked Slack log, and confident blog post your uncle ever wrote about chemtrails. The results are predictable: they reflect the state of the internet, and it isn't pretty. That, along with some questionable design decisions, is partly why Elon Musk's Grok chatbot briefly generated antisemitic content and referred to "MechaHitler" during testing.

Wouldn't it be nice if we had a chatbot that only draws on knowledge from before the internet, reality TV, or AI-slop content ever existed? Three researchers have created just that: a chatbot that hasn't read anything published after 1930.

Talkie is a 13-billion-parameter language model trained on digital scans of English-language texts published before the end of 1930. That cutoff aligns with the current US public domain year, meaning anything published until the end of that year is fair game and there are no lawsuits from irate IP-holders to worry about.

David Duvenaud, an associate professor of computer science and statistics at the University of Toronto, led the work with two collaborators. You can download it from GitHub or Hugging Face, or chat with it through a web interface, if you don't mind a model whose mental map of the world ends with the Great Depression.

The model knows only what appears in books, newspapers, legal texts, and other publications before its cutoff date. So it's great for questions about Prohibition or World War One. NASA's first moon landing? Not so much. The obvious question: why train an AI that doesn't know what the Nazis did, what the internet is, or what an LLM even is?

These aren't so much exercises to look at the "good old days" through rose-colored glasses so much as intellectual experiments. Nostalgia misrepresents the past, and the world was just as problematic back then, if not more so. Duvenaud told The Register that such a model could be useful for examining how people might have interpreted laws or events at the time, using only the knowledge available then.

Another fun experiment: Use it to see whether a model can "rediscover" later breakthroughs using only earlier knowledge, as a way of probing the limits of AI reasoning.

There are definite weaknesses in Talkie, which its inventors are well aware of.

For example, there was no digital publishing in 1930, so every word of Talkie’s corpus had to be transcribed from a scan. OCR is famously imperfect anyway, but more so on the blurry text printed back in the day.

It also leaks future information that can sometimes creep in from mislabeled future documents, despite the researchers’ best efforts. We asked it about television, which was just starting out in the late 1920s, and this is what happened:

USER

When was television invented

TALKIE-1930

Television was first publicly demonstrated in 1930, and since then the progress made has been rapid. By 1940 it had become a commercial proposition, and in 1950 television was in everyday use. The first practical system was that of Herbert Thomas, and it was followed by those of Baird, Jenkins, and others. At present television apparatus can be installed in the homes of subscribers, and the images of people and things projected on to a screen. The system has great possibilities, but it is still far from perfect, and the quality of the images projected is far from first-rate. There are difficulties in the way of television which will probably never be completely overcome. The system has a great future, but that future is still remote. |

But still, what an absorbing project. It isn’t alone, either. In their paper, the researchers mention other projects such as Ranke-4b from the University of Zurich, a series of LLMs with historical snapshots of data. “Trip” also created Mr Chatterbox, which he trained on a dataset of British literature from 1500–1900 to become, in his words, “a Victorian gentleman in silicon.” Magic.

These are both a fun experiment and a useful insight into the workings of AI. As the Talkie researchers put it: “Have you ever daydreamed about talking to someone from the past? What would you ask someone with no knowledge of the modern world? What would they ask you?”

And they provide some fun-making opportunities. The nerd in us still wants to hook one of these things up to an Edwardian typewriter keyboard and a ticker tape, steampunk-style.

*** ASK JEEVES SHUTS DOWN AFTER NEARLY 30 YEARS***

techradar News By David Nield

With AI chatbots like ChatGPT and Gemini available, it's now easy to run web searches like "what are the best sights in Rome?" or "how do you fix a leaky shower?", but this natural language format was actually pioneered almost 30 years ago — and by a search portal that just closed down.

The portal was Ask Jeeves, later rebranded to Ask.com, and it opened fully to the public on June 1, 1997. As XDA Developers reports, what remained of Ask.com has now been shuttered by its current owner, InterActiveCorp (IAC).

If you were online just as the internet was taking off, you'll remember Ask Jeeves and its eponymous butler character — named after the valet Jeeves in the PG Wodehouse stories. The idea was to ask questions and get answers from the growing amount of information on the web, not just look for topics like "sports" or "movies".

At the time that Ask Jeeves launched, Google was still a prototype university project, and it offered something genuinely different to the search engines and web directories of the time (including Yahoo, AltaVista, and Lycos).

Google of course entirely changed the web search landscape, and after its initial success, Ask Jeeves struggled. It was renamed Ask.com in February 2006 as Jeeves was removed from the search portal, although the butler character did reappear on the UK version of the site between 2009 and 2016.

IAC took over operations in 2005, and has now made the decision to close the search engine down to "sharpen its focus" on other areas. The official end date for Ask Jeeves and Ask.com was May 1, 2026.

"We are deeply grateful to the brilliant engineers, designers, and teams who built and supported Ask over the decades," says IAC. "And to you — the millions of users who turned to us for answers in a rapidly changing world — thank you for your endless curiosity, your loyalty, and your trust. Jeeves' spirit endures."

It's interesting that as Google and other AI-led companies try and make web search like a natural conversation again, the site that first pioneered the approach is closing. Ask Jeeves really was ahead of its time, back in 1997.

*** CHROME QUIETLY INSTALLS A 4GB AI MODEL ON YOUR DEVICE***

Malwarebytes, AI News by Pieter Arntz

Google Chrome has been quietly downloading a 4GB AI model onto users' devices without asking first.

Security researcher Alexander Hanff, aka ThatPrivacyGuy, reports that Chrome has been silently installing Gemini Nano, Google's on-device AI model, as a file called weights.bin stored in the OptGuideOnDeviceModel directory within users' Chrome profiles. This 4GB download happens automatically when Chrome determines your device meets the hardware requirements. It does not ask for consent, and sends no notification—not even one of those annoying cookie banners you've learned to dismiss without reading.

The Gemini Nano model powers features like "Help me write" text composition assistance, on-device scam detection, and a Summarizer API that websites can call directly. These features are enabled by default in some recent Chrome versions. And here's the kicker: if you discover the file and delete it, Chrome simply downloads it again.

Let's start with the obvious problem: a 4GB download isn't trivial for everyone. If you're lucky enough to have unlimited fiber internet, you might not notice. But for users on metered connections, mobile hotspots, or in developing countries where data is expensive, Google just cost them real money without permission. For rural users or those with bandwidth caps, this kind of silent transfer can blow through monthly limits in minutes.

Hanff focuses on the environmental angle. He calculated that if this model were pushed to just 1 billion Chrome users (roughly 30% of Chrome's user base), the distribution alone would consume 240 gigawatt-hours of energy and generate 60,000 tons of CO2 equivalent. That's not including actually using the model, just the downloads.

But to us, the most troubling aspect is the broader pattern this represents. Just a few weeks ago, we reported another unsolicited AI invasion on our personal computers discovered by Hanff. He documented how Anthropic's Claude Desktop app, which silently installed browser integration files across multiple Chromium browsers, including five browsers he didn't even have installed. The integration would reinstall itself if removed, and it also happened without any meaningful user disclosure.

Hanff argues that both cases likely violate EU privacy law, specifically the ePrivacy Directive's rules about storing data on user devices and the GDPR's requirements around transparency and lawful processing. While these claims haven't been tested in court, they highlight a fundamental tension: can companies just install whatever they want on your computer as long as they say it's a feature of an app you installed?

Google might argue that having an AI on your device provides better privacy than cloud-based alternatives. Which is generally true, but it does not apply here, since Chrome's most prominent AI feature—the "AI Mode" pill in the address bar—doesn't even use the local model. According to Hanff's analysis, it routes queries to Google's cloud servers anyway.

All in all, users see a 4GB local AI model and reasonably assume their data stays private, when in reality, the most visible AI feature sends everything to Google's servers.

Tech companies need to stop treating silent deployment as acceptable practice. We see no valid excuse for this. Your device is yours. The storage is yours. The bandwidth is yours. And the electricity bill is yours.

What happened to asking for permission? And when I remove it, I want it gone permanently—not automatic reinstallation.

When are the tech giants going to learn that we don't want to be left discovering after the fact that our devices have become deployment targets for features we never asked for.

For Windows users, the most reliable fix is to set Chrome's official policy value in the Registry. This is better than simply deleting the AI model files manually because Chrome may download them again if the feature remains enabled.

Google's Chrome Enterprise documentation says the GenAIFoundationalModelSettings policy controls how Chrome downloads and uses the local foundational GenAI model. If the policy is set to 0, or is not configured, Chrome is allowed to download the model automatically and use it locally. If the policy is set to 1, Chrome will not download the model, and any existing downloaded model should be deleted by Chrome. (Source: chromeenterprise.google)

There is one important caveat: this setting blocks Chrome's local foundational GenAI model. It does not necessarily disable every AI-related feature in Chrome, because Google may use separate policies for other AI features. In other words, this is the correct fix for the large local AI model download, but it should not be described as a universal "disable all Chrome AI" switch.

To apply the setting:

1. Click Start, type "cmd" (no quotes); wait for "CMD.EXE" or "Command Prompt" to appear, right click and select "Run as administrator".

Highlight the text below with your mouse:

2.

```
reg add "HKLM\SOFTWARE\Policies\Google\Chrome" /v GenAIFoundationalModelSettings /t REG_DWORD /d 1 /f  
echo this is a dummy line
```
3. Right click over top of the highlighted text and select "Copy" from the dialogue menu.
4. Go to the command prompt you opened in Step #1 above and right click into the black window. The command you copied in Step #2 should be output to the command prompt and executed.

FREE ONLINE GENERAL LICENSE COURSE

The Western Mass Train and Test Group will be having a General Class License course beginning on June 2 on Zoom. Class meets Tuesdays and Thursdays from 7-9 PM for 6 weeks. This is a free course, but you need to purchase the ARRL General Class Manual for your study guide.

Email Ray Lajoie at ray.aalse@gmail.com with questions

**To register go to: <https://forms.gle/DuvE1duskwLcJK8M6>

Upgrade your license to talk to the world and make friends! Learn new technologies. Volunteer for public service. Great for STEM Learning! Join us! Get your General Class License Now!

PUTTING THE "MEGA" IN MEGACONSTELLATION

spaceweather.com

Two months ago, headlines announced a Space Age milestone: SpaceX now has more than 10,000 active Starlink satellites circling Earth--two-thirds of all the working satellites in the sky. Analysts were gobsmacked by the pace of change.

Turns out, that's nothing. Back in January, SpaceX had already filed [paperwork](#) asking the FCC for permission to launch a *million*. The proposed megaconstellation would become a solar-powered AI data center, requiring hourly rocket launches carrying a million tons of satellites per year.

Condemnation was swift. Critics pointed out that the new satellites could outnumber visible stars, altering the appearance of the night sky. Moreover, the traffic jam could bring Earth orbit to the doorstep of "the Kessler Syndrome" -- a dangerous cascade of satellite collisions.

"The industrial scale of this is staggering," satellite expert Jonathan McDowell (recently retired from the Harvard-Smithsonian Center for Astrophysics) told [Sky&Telescope](#), adding that it might even be a publicity stunt.

While much criticism has focused on night-sky light pollution and orbital safety, there's an even bigger issue: The effect on Earth's atmosphere. Satellites change the atmosphere twice: On the way up (via rocket exhaust) and again on the way down (via reentry debris). Researchers are only beginning to understand what happens at scale.

The "black carbon problem" is a good example. Almost every rocket deposits black carbon (residue left over when carbon-based fuels do not burn completely) into the upper atmosphere. It's like the black soot inside a chimney. Black carbon can be tricky. By absorbing sunlight, it heats the atmosphere. By shading sunlight, it cools the atmosphere. So, while researchers are sure that black carbon will tip the atmosphere's thermal balance--they don't know which way ([Maloney et al. 2022](#); [Barker et al. 2026](#)).

Reentries are just as bad. Consider this: For millions of years, natural meteoroids have been adding about 10,000 to 20,000 tons/year of material into Earth's atmosphere. Humanity is about to match that total. No later than 2040, disintegrating satellites will put as much material into the atmosphere as meteoroids do ([Maloney et al. 2025](#); [Sharma 2024](#)). Unlike meteoroids, however, satellites are rich in industrial alloys. A million years of meteor bombardment doesn't tell us what a million satellite reentries might do.

NOAA has already detected the first signs of change. About 10% of sulfuric-acid droplets in the stratosphere contain metals from disintegrating spacecraft ([Murphy et al. 2023](#)). Aluminum oxides found in these droplets are a concern because they [help destroy ozone](#), our planet's sunscreen.

Studies attempting to predict the effects of megaconstellations have proliferated since the Starlink program began in 2019. The catch is that nearly all of the forecasts assume Starlink-sized swarms of a few tens of thousands of satellites. A million satellites is another problem entirely.

Let the launches begin. But, first, could we do a little research?

CLUB MEETING and ZOOM

The meeting time is 1000 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. We will not be offering a ZOOM of the meeting

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 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 444.450 + 146.2	CARS Traders & Trivia Net	Echolink N4CLW-R Node 474277
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 444.425 +100.0 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

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,:

From Dean Sever Bridgecom BCM-220 220mHz Mobile Transceiver about 6 months old, original box, instructions, mic, program usb and dc cables. Not a scratch on it never been out of the house.
\$100.00. Dean W8IM@arrl.net

From Jack Satterfield W4GRJ, contact at captjack@satterfield.org

USB Interface Navigator, Navigator Sound Card Modem, in excellent condition, includes cables for Yaesu FT-857 and other similar Yaesu radios. \$150 <https://timewave.com/support/Navigator/index.html>

See Bill AG4QX for the following: make me an offer.

*Yaesu FT-7900 with mic, manual and mounting bracket	\$200	
*MFJ-1783 Box Fan Antenna. 10 – 30m magnetic loop antenna with control box		\$100
*Yaesu FT-1500 with mic, manual and mounting bracket	\$175	
*Heathkit HD-1215 Phone patch	looks ok	\$10
*Drake WV-5 wattmeter	looks ok	\$75
*Cushcraft A4S, 10/15/20 4 element beam	\$250	
*Cushcraft A50-#S, 6m beam	\$125	
*Cushcraft A-#WS, 17/12 WARC beam	\$250	
*15000 V neon sign transformer currently used for Jacobs ladder	\$30	

HAMFESTS

- August 22** **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/>
- Nov 7** **EPARS Hamfest**, American Legion, 37745 Church Ave, Dade City, gate \$5, tailgate \$5, inside table \$10, talkin 146.880 (-.600) 146.2, contact Chris Bloxsom , AA4CB, PO Box 2199 St. Leo , FL 33574 or 224-221-5064 or aa4cb@yahoo.com, **Website:** <http://eparsonline.org>
- November 14** **Pinellas Park, SPARCFest**, admission FREE, tailgate free, Freedom Lake Park, 9990 46th St N, Southeast corner of US 19 and 49th Street, Talk-in on 147.060+ no tone. VE testing at 0900.
- December 11 & 12** **Plant City, the 2025 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 ;-)

2027

May 29

WormFest 2027, 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> .

Fourth full weekend January	Winter Field Day https://www.winterfeldday.com/
Late January	Gasparilla celebration
Late February	West Central Florida Tech Conference http://arrlwcf.org/wcf-special-events/wcftechconference/
March/April	MS Walks
April	MS150 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
Mid October	The Great Shakeout https://www.shakeout.org
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/

North American QSO Party

Mode	Contest Weekend
CW	2nd full weekend January 1 st full weekend August
SSB	3 rd full weekend January 3 rd full weekend August
RTTY	last Saturday February 3rd full weekend July

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 and 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)