

News from



THE GLORIOUS SOCIETY OF THE WORMHOLE

June 2017

Hello Worms

The 2017 edition of the WormFest was a success. I thank all who helped put it on. Special thanks to George, Mike and Dee for all they did.

The forecast sounds like a great day for the meeting. Bring your folding chair if you have one. There is nothing on the calendar so we should have the parking lot to ourselves. For those interested the Minnreg website is <http://www.minnreg.com/>.

*** INSTALLING ANTENNAS SAFELY***

INFOPACKETS by John Lister on May, 18 2017

A Texas man is suing a woman he dated for text messaging while the pair were watching Guardians of the Galaxy Vol 2. Brandon Vezmar filed in small claims court seeking \$17.31, the cost of his ticket for a 3D showing.

According to the filing, reported in the Austin American-Statesman, the pair were on a first date after meeting online. Vezmar claims the woman "activated her phone at least 10-20 times in 15 minutes to read and send text messages." (Source: newsweek.com)

Texter Labeled Threat to Society

He argues that this violated the theater's policy and spoiled the experience for both he and other audience members. He said that "While damages sought are modest, the principle is important as defendant's behavior is a threat to civilized society."

Vežmar also claims that the woman had driven the pair to the date, but left him behind afterwards. He says he later texted her to request she refund his ticket but she refused.

Speaking under requested anonymity, the woman told the newspaper that she had only used the phone a couple of times. Until contacted by the newspaper she was unaware of the filing and responded "This is crazy... I'm not a bad woman. I just went out on a date."

AMC Drops "Texting-friendly" Screenings

While this lawsuit may be a bit over the top, it seems moviegoers as a whole do not appreciate phone use in theaters. Last year the newly-appointed head of AMC suggested that theaters could have "texting friendly" screenings. The vigorous public response led to him withdrawing the idea just a couple of days later.

Back in 2015, Microsoft patented a technology that would let phone owners choose to have their handset automatically switch to a special movie mode when their GPS showed they were at a theatre, or even if a WiFi scan showed networks mentioning the name of a movie chain.

The movie mode would include switching to silent, turning off notifications, dimming the display and showing the time in larger digits for quicker checking. However, Microsoft hasn't yet used the technology.

APPLE CONSIDERING BANNING UBER

by John Lister on May, 17 2017 *INFOPACKETS*

A computer processor manufacturer is working on chips to implant into human brains. It could dramatically improve life for people with spinal or brain injuries, but is years from becoming a reality.

The project is a partnership between the University of Washington's Center for Sensorimotor Neural Engineering and ARM, a company which dominates the market for processors in mobile devices.

It will build on existing technologies which can read signals in the brain and then wirelessly transmit them to nerve stimulators, allowing people to control their hands and arms despite suffering from spinal injuries that cause total paralysis. (Source: bbc.co.uk)

Brain Could 'Feel' Objects

The new project will not only work on that aspect but will also attempt to make the process work in reverse, sending signals from other parts of the body to the brain. That could allow people with spinal damage to get sensory information about objects they touch such as how hot they are or how firmly they are gripping the object. In turn that could give them greater control over holding and manipulating objects.

The researchers working on the project also believe it could help people with brain injuries such as those resulting from a stroke. The theory is that the combination of transmitting and receiving information in this way might help the brain "rewire" itself and regain functionality lost by physical damage to the brain's neurons. (Source: design-reuse.com)

Overheating a Challenge

The existing technology that allows paralyzed people to move their limbs shows that the concept is valid and works in principle. The challenge now is more about overcoming practical limitations. The most significant are the need to keep any chip as small as possible to avoid complications when installing it in the brain, and to minimize the heat generated by the chip, which could cause complications.

The researchers also need to figure out a way to keep the power use as low as possible as recharging or replacing batteries isn't exactly a practical option.

Whatever the solution is, it won't happen overnight. In recognition of the challenge, the two organizations have committed to run for the project for at least 10 years.

*** NEWSPAPER REVEALS FACEBOOK FILES ***

theguardian May 22. 2017

Files reveal Facebook is flooded with ‘sextortion’ and revenge porn. Facebook had to assess nearly 54,000 potential cases of revenge pornography and “sextortion” on the site in a single month, according to a leaked document. Figures shared with staff reveal that in January Facebook had to disable more than 14,000 accounts related to these types of sexual abuse – and 33 of the cases reviewed involved children.

The company relies on users to report most abusive content, meaning the real scale of the problem could be much greater. But the Guardian has been told that moderators find Facebook’s policies on sexual content the hardest to follow. “Sexual policy is the one where moderators make most mistakes,” said a source. “It is very complex.”

Facebook admitted this was a high priority area and that it was using “image-matching” software to stop explicit content getting on to the site. It also acknowledged it was difficult to draw a line between acceptable and unacceptable sexual content. “We constantly review and improve our policies,” said Monika Bickert, head of global policy management at Facebook. “These are complex areas but we are determined to get it right.”

The company declined to comment on the figures in the document. “We receive millions of reports each week but we do not release individual figures,” it said.

For the complete *theguardian* article go to:

<https://www.theguardian.com/news/2017/may/22/facebook-flooded-with-sextortion-and-revenge-porn-files-reveal>

* FOOLPROOF SECURITY NOT SO FOOLPROOF *

BBC NEWS By Dan Simmons

Security software designed to prevent bank fraud has been fooled by a BBC reporter and his twin. BBC Click reporter Dan Simmons set up an HSBC account and signed up to the bank's voice ID authentication service. HSBC says the system is secure because each person's voice is "unique". But the bank let Dan Simmons' non-identical twin, Joe, access the account via the telephone after he mimicked his brother's voice. The bank said it would "review" ways to make the ID system more sensitive following the BBC investigation.

HSBC introduced the voice-based security in 2016, saying it measured 100 different characteristics of the human voice to verify a user's identity. Customers simply give their account details and date of birth and then say: "My voice is my password". Although the breach did not allow Joe Simmons to withdraw money, he was able to access balances and recent transactions, and was offered the chance to transfer money between accounts.

"What's really alarming is that the bank allowed me seven attempts to mimic my brother's voiceprint and get it wrong, before I got in at the eighth time of trying," he said. Image caption HSBC advertises the system in its branches

"Can would-be attackers try as often as they like until they get it right?" Separately, a Click researcher found HSBC Voice ID kept letting them try to access their account after they deliberately failed on 20 separate occasions spread over 12 minutes. Click's successful thwarting of the system is believed to be the first time the voice security measure has been breached.

HSBC declined to comment on how secure the system had been until now. A spokesman said: "The security and safety of our customers' accounts is of the utmost importance to us. "Voice ID is a very secure method of authenticating customers. "Twins do have a similar voiceprint, but the introduction of this technology has seen a significant reduction in fraud, and has proven to be more secure than PINS, passwords and memorable phrases."

"I'm shocked," said Mike McLaughin, a security expert at Firstbase Technologies. "This should not be allowed to happen. "Another person should not be able to access your bank account. Image copyright Thinkstock Image caption Twins are used to check that voice-

based ID systems can pick out individuals "Voices are unique - but if the system allows for too many discrepancies in the voiceprint for a match, then it's not secure. "And that seems to be what's happened here."

Prof Vladimiro Sassone, an expert in cyber-security, from the University of Southampton, said biometrics could, in general, be an effective security layer, but there were dangers if companies put too much faith in something that was not 100% secure. "In principle there should be no room for error at all," said Prof Sassone. "It should be good at the first attempt." "Voice identification is not like a password system." "You can't forget your voice or get the wrong one. "After two attempts, systems should be able to say whether it's a match or not and alert the bank and user if further attempts are made." Prof Sassone said using unique biometric traits as a verifier should make it harder for hackers - but if they should be copied by criminals, users could not then change their voice, face, or fingerprint as they would a password.

"If you have to prove it wasn't you who accessed your account - that it was either a mimic or computer software - then how are you going to do that?" he asked. "Especially if the bank is claiming the system is perfect."

Image copyright ljoie Image caption HSBC said it used 100 different identifiers to fingerprint a customer's voice Security expert Prof Alan Woodward, from the University of Surrey, said it was dangerous to rely on one biological characteristic to authenticate someone, even if it was one unique to that person. "Biometric based security has a history of measurements being copied," he said. "We've seen fingerprints being copied with everything from gummy bears to photographs of people's hands. "Hence, biometrics, just like other aspects of security, will always have to evolve as measures emerge to threaten them. "Security is a story of measure and counter-measure." He said HSBC probably needed to reassess its technology and ideally add another "factor" alongside the voiceprint check to authenticate identity. "As well as requiring something you are, it would require something you know or something you have, like a PIN," he said. "That makes it much more difficult to compromise."

Image copyright deepblue4you Image caption Fingerprints have been copied using moulds made from gummy bear sweets It is not just the ability of humans to fool computers that is worrying some high-tech companies. Start-up Lyrebird is working on ways to replicate a voice using just a few minutes of recorded speech. Co-founder Jose Sotelo said there was

no doubt this had "implications" for voice identification systems. "We are working with security researchers to figure out the best way to proceed," he told Click.

"This is one of the reasons we have not published this to the public yet. "It's a scary application but we believe that we should be careful and should not be scared of technology and we should try to make the best out of it," he said. "One idea we are considering is to watermark the audio samples we produce so we are able to detect immediately if it is us that generated this sample."

CLUB MEETING

This meeting at 11:00 Saturday morning at the Minnreg Building located at 6340 126th Ave N, Largo. Talk-in is on the Wormhole repeater system. For those coming to the meeting who cannot hit the repeater we will be monitoring 146.520 simplex, the national calling frequency. We will keep an eye peeled for you. We will take advantage of the cooking facilities with an after-the-meeting Social and Wormdog picnic.

CLUB NETS

Check in on the club net Thursdays at 1930. 442.625 + with a 146.2 tone or the 2M side at 146.850 – also with a tone of 146.2. We are always looking for volunteers to be the net control operator. Anyone interested, talk to one your club officers.

LOCAL NETS

MONDAY

1730	147.030 + Receiver sites and tone info http://www.qsl.net/wd4scd/	St Pete Yacht Club ARC	St Petersburg
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 County	Pinellas ARK	Pinellas
2030	NI4CE system	EAGLE Net, NTS traffic net,	NI4CE system
2030	145.450 County	Pinellas ARK	Pinellas

TUESDAY

1830	147.060 no tone Petersburg	St Pete ARC daily net	from St
1900	50.200 USB	6M net	Brandon ARS

1900 28.450	WCF section 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

WEDNESDAY

1830 147.060 no tone Petersburg	St Pete ARC daily net	from St
1930 52.020 simplex Petersburg	Suncoast 6'ers	from St
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	Clearwater ARS	from
2030 NI4CE system	EAGLE Net, NTS traffic net	NI4CE system
2100 NI4CE system	Tampa Bay Traders Net	non-affiliated

THURSDAY

1800 146.52 simplex	Hillsborough ARES/RACES	North Tampa
1830 147.060 no tone Petersburg	St Pete ARC daily net	from St

1900 444.750 +146.2	Fusion net	from Tampa
1930 146.850- & 442.625+ both pl 146.2	Wormhole	from St Petersburg
1930 146.6385 -127.3	Lakeland ARC	from Lakeland
1915 224.660- no tone Petersburg	St Pete ARC	from St
2030 NI4CE system	EAGLE Net, NTS traffic net	NI4CE system

FRIDAY

1830 147.060 no tone Petersburg	St Pete ARC daily net	from St
2030 NI4CE system	EAGLE Net, NTS traffic net	NI4CE system

SATURDAY

0830 3.911 (7.281 Alt.)+/- QRM County	WCF Section HF Net	from Pinellas
1830 147.060 no tone Petersburg	St Pete ARC daily net	from St
2030 NI4CE system	EAGLE Net, NTS traffic net	NI4CE system

SUNDAY

1830 147.060 no tone Petersburg	St Pete ARC daily net	from St
1930 NI4CE system	WCF Section Net	NI4CE system
2000 147.550 simplex County	550 Simplex Net	Pinellas
2030 NI4CE system	EAGLE Net, NTS traffic net	NI4CE system
2100 144.210 USB orientation	Clearwater ARS	vertical

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 have all the information you need on a club roster and 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.

FOR SALE, 13 element, 14.5 ft 220 beam. Wormhole property, \$20, contact Bill AG4QX or any other officer. **Free to any Wormhole member or other club.** Pickup at Bill's house.

HAMFESTS

2017

- August 19** **TARCFest**, TARC Clubhouse, 22nd St at the river, \$4 entry plus \$3 to tailgate, inside tables \$15 in advance, talkin on 147.105 +146.2, more info at <http://hamclub.org/>
- September 23** Pasco County Hamfest, Gunn Highway Flea Market, 2317 Gunn Highway, Odessa, \$3, Talk-In on 145.350- 146.2, <https://groups.yahoo.com/neo/groups/sarcmail/info?yguid=243291920>
- October 13-14** Melbourne, Florida State Convention, Melbourne Auditorium, 625 E. Hibiscus Blvd., **Talk-In:** 146.85- 107.2, <http://www.pcars.org/>, no info on website yet.
- November 11** **SPARCFest**, Pinellas Park, **SPARCFest, 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. For more information go to <http://www.sparc-club.org/sparcfest.html>

December 8-9 **Plant City, the 2017 Tampa Bay Hamfest is the West Central Florida Section Convention, Friday and Saturday, at the Expo Building in the Strawberry Festival grounds, 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 ;-)**

Mid January	Frogman swim in Tampa Bay. http://www.tampabayfrogman.com/
Last full weekend January	Winter Field Day, http://www.spar-hams.org/index.php
Late January	Gasparilla celebration
March/April	MS Walks
March/April	Mass Casualty Exercises
Late April	Southeastern VHF Society Conference, http://www.svhfs.org
Late April	Walk For Babies (was March of Dimes)
Late April	Florida QSO Party
Mid-May	Annual Armed Forces Crossband Test
Early to Mid May	MS 150 bike ride http://bikeflc.nationalmssociety.org/site/TR?fr_id=28207&pg=entry
Mid-May	Florida Hurricane Exercise
Late May	Wormfest
Early June	Museum Ships on the Air
Fourth weekend in June	Field Day http://www.arrl.org/contests/announcements/fd/
July 3/4	Midnight Run in Largo http://www.kiwanismidnightrun.com/

August	International Lighthouse/Lightship Week
https://illw.net/	
October, 3 rd weekend	JOTA, Scout Jamboree-on-the-AIR
Early December	ALS bike ride in Walsingham Park
December, first full weekend	Ride & Run With The Stars in Fort DeSoto Park
December, Second full weekend	Tampa Bay Hamfest http://www.fgcarc.org/

YOUR WORMHOLE OFFICERS

Bill AG4QX is President and editor of this newsletter, Vice-President is Mike K4ZPE, Treasurer is Jim KD4MZL, Paul KA4IOX is the Secretary, Dee N4GD is the Repeater Trustee and Neil W4NHL and Mike K4ZPE are our club webmasters.

YOUR WORMHOLE REPEATERS

442.625 + PL 146.2

146.850 - PL 146.2

The Wormhole repeaters are both now dual mode Yaesu DR-1X. FM analog as always and now Yaesu Fusion, a C4FM/FM digital mode. The repeater crew updated the software on May 3, 2016.

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 they will be done.

73,

Bill Williams

AG4QX

ag4qx AT arrl DOT net