

News from



The GLORIOUS SOCIETY OF THE WORMHOLE

August 2021

Hello Worms

The May and June meetings were successful with near 'normal' attendance. We will continue with the face to face meetings and at the same time try to broadcast the meeting on the repeater and Zoom. We will meet at the regular meeting time of 1100 on Saturday morning. We will again meet at the Lurie Civic Building which is the new Greater Seminole Area Chamber of Commerce. It is located 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](#) . In google maps the building does not exist yet at street level view but it is there at all the higher views. There is a few parking spots at the Chamber building but if you go another 100 yards past you can park in the college parking lot which is a lot closer to the outside meeting area.

BRING YOUR CHAIR and lunch! There are a few picnic benches if you do not have a folding chair. We will not be cooking but we have access to the Chamber of Commerce building which has a microwave and a toaster oven so you can heat up/cook what you bring. There will be water and cold drinks also but no food. There are coffee pots in the Chamber building so we may try brewing a pot or two but no guarantees on that yet. Bring your chair, lunch and coffee if you want it.

As always before a regular meetings there are members on the repeater before the meeting time so jump in there and chew the rag.

Topic: Bill Williams' Zoom Meeting

Time: This is a recurring meeting Meet anytime

Join Zoom Meeting

<https://zoom.us/j/2737114584?pwd=d1BETHVOQ21vWWZlZ0YQ0FIWWtldz09>

Meeting ID: 273 711 4584

Passcode: worm

For the meeting do not forget ... BRING YOUR CHAIR, lunch and coffee!

***UNINSTALL THESE MALICIOUS ANDROID APPS ***

liferhacker by Khamosh Pathak

Researchers from Dr. Web have found nine apps with more than 5.8 million combined downloads that were sneakily stealing user's Facebook passwords using a genuine Facebook login page. As of writing, Google has banned the developer and removed these nine apps from the Play Store, but if you've downloaded any of them, it's time to change your passwords.

According to the [researchers at Dr. Web](#), the developer, chikumburahamilton, created fully functional apps for photo editing, exercising, horoscopes, and junk cleaning (among others). After a point, these apps would prompt users to log in using Facebook to unlock the full functionality of the app.

When users did that, the app would kick in their own C&C server (a Command-and-Control server controlled by the developer used to copy and store data from a webpage). After receiving the settings from the C&C server, the app loaded then loaded the legitimate Facebook login page.

Then, the app loaded the JavaScript received from the C&C server into the Facebook login page (JavaScript code is versatile and can be inserted at any point, even when a user just taps on a text field). This Javascript code was then used to copy the username and password.

The JavaScript then passed the copied data to the application, which in turn passed it to the app's C&C server, where it was saved. Once the user logged in to the application, the app also stole cookies from the current authorized session, which were in turn sent to cybercriminals.

In this instance, the apps only used Facebook's genuine login page. But because of the way JavaScript and C&C servers work, they could have easily done this with any service requiring you to log in.

What can you do about it?

The first thing you should do is to check if you were running one of these nine apps (and their functions):

1. PIP Photo (image editing)
2. Processing Photo (photo editing)
3. Rubbish Cleaner (device optimization)
4. Inwell Fitness (health)
5. Horoscope Daily (astrology)
6. App Lock Keep (child safety tool)
7. Lockit Master (child safety tool)
8. Horoscope Pi (astrology)
9. App lock Manager (child safety tool)

If you have any of these apps installed, the first step is to uninstall the application.

Then, if you used Facebook login with the app, you need to [reset your Facebook password immediately](#).

Next, stay vigilant. Use a trusted anti-virus application like [Malwarebytes](#) to detect apps with malicious code. If possible, avoid connecting third-party services like Facebook with random apps downloaded from the Play Store. Because of the way Play Store works, it's trivially easy for developers to reenter and resubmit apps even after they are taken down (a developer license only costs \$25).

Lastly, turn on [two-factor authentication](#) for any site that allows it, and pair it with a [password manager](#). This will help you generate and store long passwords securely. And even if a website leak reveals your password, two-factor authentication will protect you from hackers.

*** THE NANO-VECTOR NETWORK ANALYZER***

By Ralph WD0EJA

Many have purchased these analyzers. They come in a variety of models depending on your needs. They can do a simple to quite extensive analyses of your antenna or network system.

Of course, I am focusing on the simple.

Many of us have these to check our individual antennas. Looking for the resonant point and why possibly the SWR is not as low as we would like it at resonance. The VNA is capable in determining this in most cases.

Setting Up the Analyzer.

The VNA comes with some hardware. Three terminations, open, shorted and load. It also has two short lengths of RG/405 coax and a coupler. You will need to acquire adapters if you are using UHF or other connectors than SMA. One adapter is at the VNA side and another at the end of the coax you are using.

For a common antenna installation Port 1 (S11) or output port will be the only one to use. Port 2 (S21) is a receiving port. Connect one RG/405 to Port 1. This will eliminate a strain on the VNA connector.

Put the adapter you need for your coax on the RG/405. Connect your coax. The antenna end of the coax should be open or not connected. Put another adapter on the end of your coax.

Now you can turn the VNA on.

With the stylus touch the right side of the screen to bring up the menu. Select "Stimulus".

Select "Start". A numbered key pad comes up. Select the lowest frequency you are testing. For example, if you are testing a 40 meter antenna, you may want to select 7M. This is 7 MHz. Then touch "OK". You will see 7.000 Mhz on the bottom left screen.

Back to the menu. Select "Stop". Enter 7.3M, then OK. You will see 7.300 MHz on the right bottom of the screen. You can expand or reduce the span as needed.

On the end of your coax, put the "Open" terminator on. Open your menu. Go back one step so you can see "Cal" and select it. "Calibrate" is on the next window, select it.

Next menu will have "Open" at the top. Select it and wait until it is finished.

Exchange the "Open" terminator for the "Shorted" one. Select "Shorted" Do the same.

Exchange the "Shorted" terminator for the "Load". Select "Load". Do the same.

Go back in the menu. Back again. Select "Recall/Save". Then select "Save". Save your data in one of the "Save files (0 - 4)". This way if you turn your VNA off you will not loose your calibration.

Return back to the main menu and select "Display". Select "Format". Select "SWR".

Now you can connect the antenna. The SWR graph of the antenna under test will display. It is measuring values of the antenna using that specific length and type of coax. How did you do? Need to see or do more? In a future article there will be more information.

73,

Ralph WD0EJA

www.isotronantennas.com

July 2021

*** INTERNATIONAL LIGHT HOUSE WEEKEND ***

From the International Lighthouse Lightship Weekend website: <https://illw.net/>
Normally held on the 3rd full weekend in August 00.01 UTC 21st August to 24.00 UTC 22nd August 2021 (48 hours)

For some reason or other August seems to have become the international weekend for lighthouses. Countries all over the world have become involved in one form or another of lighthouse activity. Some years ago the United States Congress declared August 7th as their National Lighthouse Day and during that first week in August amateur radio operators in America set up portable stations at lighthouses and endeavour to make contact with each other. This event is known as the US National Lighthouse Week.

In Britain the Association of Lighthouse Keepers, [ALK](#), conducts International Lighthouse Heritage Weekend on the same weekend as the ILLW in August. Their objective is to encourage Lighthouse managers, keepers and owners to open their lighthouse or lightstation and related visitors centres to the public with a view to raising the profile of lighthouses, lightvessels and other navigational aids, and preserving our maritime heritage.

However, the major event which takes place in August is the International Lighthouse Lightship Weekend, [ILLW](#), which came into being in 1998 as the Scottish Northern Lights Award run by the Ayr Amateur Radio Group. The history of this event can be found elsewhere on this site. The ILLW usually takes place on the 3rd full weekend in August each year and attracts over 500 lighthouse entries located in over 40 countries. It is one of the most popular international amateur radio events in existence probably because there are very few rules and it is not the usual contest type event. It is also free and there are no prizes for contacting large numbers of other stations. There is little doubt that the month of August has become "Lighthouse Month" due largely to the popularity and growth of the ILLW.

EDITOR COMMENT: Go to their website for Guidelines and all the information you need to participate in this event. <https://illw.net/>

MICROSOFT TO REMOVE BLUE SCREEN OF DEATH IN WIN 11

Your editor

In Windows 11 Microsoft has eliminated the Blue Screen Of Death (BSOD)! Nothing else has changed, same errors, same screen, except it will be black and white ;-). Now how is that for an improvement.

Windows 11 has been released to the guinea pigs (Beta testers) so it is real and on its way. Windows 11 will be a free upgrade from Windows 10. Windows 10 is scheduled for end of support in 2025. The regular computer requirements are pretty much normal for a new system with the exception of the Trusted Platform Module (TPM version 2.0) which is a security feature which you may have if your computer is reasonably new. Also Windows 11 does not support 32bit systems, 64bit only.

To see all the info go to <https://docs.microsoft.com/en-us/windows/whats-new/windows-11-requirements>

SPACE STATION TO TRANSMIT SSTV THIS WEEKEND

Friday and Saturday, August 6 – 7, Russian cosmonauts onboard the International Space Station (ISS) will transmit slow-scan television (SSTV) images from the station on 145.800 MHz FM. They will use SSTV mode PD-120. The transmissions are part of the Moscow Aviation Institute SSTV experiment (MAI-75) and will be sent via RS0ISS, the ham station in the Russian Zvezda (Service) module using a Kenwood TM-D710 transceiver.

The announced schedule is August 6, 1050 – 1910 UTC and August 7, 0950 – 1555 UTC. Dates and times are subject to change. For stations in the ISS footprint, the RS0ISS signal should be easy to copy on a handheld transceiver and a quarter-wave whip. Use 25-kHz channel spacing, if available. Free ISS software is available to download.

[Pass predictions](#) are available from AMSAT two days ahead of the pass.

Representative images from prior ISS SSTV events are available in the [ARRISS SSTV Gallery](#).

CLUB MEETING

We will again have a face to face club meeting on August. We will try to keep up on the 2M and also video concurrent on ZOOM. The meeting will be held at the Lurie Civic Building which is the new Greater Seminole Area Chamber of Commerce. It is located on the St Petersburg College campus in Seminole. Turn west at the light at 113th St N and about 92nd Ave N.

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

1730 147.030 + Receiver sites and tone info <http://www.qsl.net/wd4scd/> St Pete Yacht Club ARC

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 28.450 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	Tampa ARC net	from
2000 28.365 USB	simplex	Brandon ARS
2030 NI4CE system system	EAGLE Net, NTS traffic net	NI4CE
2100 28.465 USB	10/10 net	from Orlando
1900 146.490 simplex simplex Net	3 RD Tuesday monthly, Hillsborough Co ARES	

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 system	WCF Section Digital Info Ne	NI4CE
2000 147.105 146.2 Tampa	Greater Tampa CERT net	from
2000 146.97- 146.2 Clearwater	Clearwater ARS	from
2030 NI4CE system system	EAGLE Net, NTS traffic net	NI4CE
2100 NI4CE system affiliated	Tampa Bay Traders Net	non-

THURSDAY

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

1900 444.750 +146.2 Tampa	Fusion net	from
1915 224.660- no tone Petersburg	St Pete ARC	from St
1930 146.6385 -127.3 Lakeland	Lakeland ARC	from
1930 444.225 + 146.2 Tampa	Hillsborough ARES/RACES	from
1930 146.850- 146.2 Petersburg	Wormhole	from St
2000 53.150 -1MHz 146.2 Petersburg	Wormhole	from St
2030 NI4CE system system	EAGLE Net, NTS traffic net	NI4CE
FRIDAY		
1830 147.060 no tone Petersburg	St Pete ARC daily net	from St
2030 NI4CE system system	EAGLE Net, NTS traffic net	NI4CE
SATURDAY		
0730 3.940 (7.281 Alt.)+/- QRM WCF	WCF Section HF Net	from
1830 147.060 no tone Petersburg	St Pete ARC daily net	from St
2030 NI4CE system system	EAGLE Net, NTS traffic net	NI4CE
SUNDAY		
0800 3.933	Florida Traders Net	non-affiliated

1830 147.060 no tone Petersburg	St Pete ARC daily net	from St
1930 NI4CE system system	WCF Section Net	NI4CE
2000 147.550 simplex County	550 Simplex Net	Pinellas
2030 NI4CE system system	EAGLE Net, NTS traffic net	NI4CE
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 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.

FOR SALE,

HAMFESTS

August 21 **Tampa, TARCfest XLV**, TARC Clubhouse, 7801 N. 22nd S, t22nd St at the river, no other details yet, talkin on 147.105 +146.2, \$5 at gate, tailgate free, inside tables \$15, testing follows event, more info at <http://hamclub.org/>

- October 16 New Port Richey, Millennium Academy, 10005 Ridge Road, talkin
146.67 +146.2, nothing on website, contact Barry Keaveny ,
N2NVP, 727-277-5794, **Email:** keavbv@msn.com
- October 23 Tamiami Fox Hunt, [T. Mabry Carlton Reserve](#), information at
<https://tamiamiarc.org/annual-fox-hunt/>
- November 13 **Pinellas Part, SPARKFest**, Freedom lake Park, 9990 46th St. N.,
All FREE, 8:00 AM until Noon, **talkin** 147.06 (+) none, VE
Testing, for info see <https://www.sparc-club.org/sparcfest/> or Lisa,
KC1YL at Vice-President@sparc-club.org
- December 10 & 11 Plant City, the 2021 Tampa Bay Hamfest and West Central
Florida Section Convention**, Friday and Saturday, **at the
Strawberry Festival grounds, admission \$10, 16x40ft tailgate
space \$10, electric \$5, 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 ;-)**

2022

- February 11-13 Orlando Hamcation and NATIONAL Convention**, Central
Florida Fairgrounds, 4603 West Colonial Drive, Tickets \$15 in
advance, \$20 at door. Talk-in 146.760 - PL 103.5 OR Fusion.
Also D-Star on 146.820 -, all the information at
www.hamcation.com or call 407-841-0874 There is also a AM
low power Information Station on AM 610.
- May 28 WormFest 2021, 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> .**

Mid January	Adventure Run, Honeymoon Island
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	MS 150 Citrus Tour bike ride http://www.citrustour.org/register.php
March/April	MS Walks
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
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/
July 3/4	Midnight Run in Largo http://www.kiwanismidnightrun.com/
Third weekend in August	International Lighthouse/Lightship Week https://illw.net/
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, Treasurer is Jim KD4MZL, Paul KA4IOX is the Secretary, Dee N4GD is the Repeater Trustee and Mike K4ZPE is both our club Vice President and 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-1X. 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