Treasure Coast Ham News

MAY 2022 VOLUME 3, ISSUE 5

INSIDE THIS ISSUE

(Clicking on content listing will take you to the page)

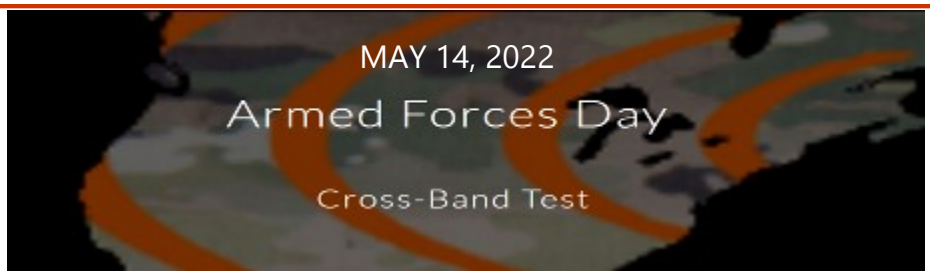
Treasure Coast Ham News is an independent publication not affiliated with any ham club.

2022 Florida State Parks On The Air

Port St Lucie Amateur Radio Association (PSLARA) operating on Saturday, April 2nd at the Savannas Preserve (SAV) State Park.

From Bruce, WA3RHW: *Okay, so I cancelled the event for the club. But since "the most accurate TV weather station in South Florida for 9 years running" later predicted the rain would start at 3PM, I decided to go out there anyway. Two other guys who frequently operate from the park also set up stations - Kurt W4KFH and Steve KE4LJH (Palm City). We operated from the pavilion in the parking lot. I set up my Icom 706MKIIG, AC power supply and Cushcraft R5 antenna. I made about 70 contacts, 25 of which were park-to-park contacts. Jeff, KA0KAF came out, as did Craig, KK4CID and John K4LT. John lives in Jensen Beach. He was one of my first contacts, so he decided to come out and visit for a while.*

We operated until about 2:30. Because we were interfering with each other's station, we rotated around and shared air time. It was either bright sunshine or party cloudy all day. And the rain… it didn't come until about 8PM at my house.



The Army MARS Armed Forces Day (AFD) Cross-band Test is planned for May 14, 2022. This annual event is open to all licensed amateur radio operators. For more than 50 years military and amateur stations have taken part in this event, which is an interoperability exercise between hobbyist and government radio stations. (Click here or see page 8 for details.)

From the Publishers

HF ham radio prior to the solid state revolution of the 70s and 80s was a different world. Ham radios were mostly huge things full of electron tubes, big tuning coils, multi-section variable capacitors, high voltage transformers and lots of point-to-point hand wiring. Names like Collins, Heathkit, Hammarlund, National, Hallicrafters, Swan, Gonset, E.F. Johnson, Eddystone, Allied, Lafayette, and others sold radios and kits to a burgeoning ham marketplace.

BC and AN/ARC-5 military radios were still available from Fair Radio and hamfest vendors. Poorer hams, experimenters and teenagers with limited radio budgets found these radios perfect for their needs. My AN/ARC-5 (converted for 40 meters) was a hand me down from a friend's brother home on leave from the Navy.

Radios were shrinking in size like the Drake Twins. Others would soon follow. Thanks to Deming's Total Quality Management (TQM), the Japanese started to rumble with names like Yaesu, Kenwood-Trio and ICOM.

VHF (2 meters) was a different animal. AM was king. Vendors like Heathkit, Gonset, Squires Sanders, Clegg, and Sears made or offered kit radios. Eventually FM became more dominant when surplus police and taxi cab mobile radios were discovered by enterprising hams.

Those were glorious times for a young ham. We could rattle off all the company names just as easily as the math tables practiced over and over again in school.

Radio performance was less academic and more empirical with testing and comparisons done on the air by amateurs carrying on QSOs with fellow amateurs.

Although technological change was more gradual, technophile companies were emerging. Their ongoing innovation would drive the industry to new stratospheric heights. Unfortunately, they also led to the demise of many stalwart ham radio companies we knew and trusted.

So why is ham radio history important to newer hams? Well, maybe it is a glimpse into the world they are inheriting from troglodytes like us. We knew our radios inside and out. We could repair them if they broke. We could modify them to cure deficiencies or make them better. Many newer hams do not possess those skills.

The future is theirs. I hope they know what they are inheriting. I know we did. 73, *TC Ham News Publishers*

The Amateur Radio Emergency Service®

2022 Hurricane Season

Hurricane Season starts June 1st and runs through November 30th.

Colorado State University (CSU) has released its updated 2022 Atlantic basin hurricane season prediction. According to the CSU team they anticipate an above average probability for major hurricanes making landfall along the continental United States coastline and in the Caribbean.

According to CSU we will have 19 named storms, 9 hurricanes, and 4 major hurricanes. They predict a total of 35 hurricane days. That probably comes as no surprise to the residents of Florida. Hurricanes have been a part of our lives for as long as most can remember.

While recent hurricanes have bypassed the Treasure Coast, that is no guarantee that will continue to be the case.

* * * * *

The St. Lucie County Hurricane Preparedness Expo is back. The expo will take place on June 4, 2022 at the Mid-Florida Credit Union Event Center from 10am to 2pm. The event center is located at 9221 SE Event Center Place, Port St. Lucie.

SLC ARES WILL BE THERE.

ARES Emergency Coordinators (EC)

Indian River County
Bud Holman, WA4ASJ

Martin County
Steve Marshall, WW4RX

St Lucie County
Paul Horner, W4ISZ

Okeechobee County
John Schwartz, KM4CRA

Get involved. Volunteer and be a part of your county ARES team.

VE License Testing Update

If your club is testing, please let us know the location, date and examination results

$35 FCC Processing Fee Now In Effect

Applicants are now required to pay a $35 processing fee to the FCC for all applications for new licenses, renewals and vanity call requests.

After processing an application but before issuing a license or approving a renewal or change, the FCC will send an electronic invoice to the applicant using the email address shown on the applicant's FCC Form 605.

The applicant will then have 10 days to pay the fee electronically following the instructions provided in the email. Upon receipt of payment the FCC will finish processing the license, upgrade or vanity call sign request and send a further email advising that the process is complete.

For more information about the new FCC fee click here.

"On Demand" Testing Is Still In Play

Due to lingering covis-19 impacts, most area clubs still do not have regular exam sessions scheduled.

But don't let the lack of scheduled exam sessions affect your plans to upgrade your license or earn a new license.

Most clubs are willing to arrange "on demand" sessions as needed. So if you are ready to upgrade your license, or know someone studying to take the Technician Class license exam, be sure to reach out to one of the Volunteer Examiners listed elsewhere on this page.

Examination sessions are also offered at most Hamfests. Be sure to check out the list of upcoming Hamfests on page 6 of this newsletter. Further information on testing opportunities can be obtained by clicking on the links provided in the Hamfest listings.

Watch future issues of ***Treasure Coast Ham News*** for further updates.

Local License Exam Contacts

Vero Beach ARC
Bud L. Holman
(772) 559-3342
budholman@earthlink.net

Ft. Pierce ARC
Jess Porter
w4dns@arrl.net

Port St. Lucie ARA
Robert Brown
(772) 201-5485
brownpsl@comcast.net

Send VE news to tchamnews@gmail.com.

Introducing Plum Logger A New Net Logging Program

John, KK4SHF, announces availability of a new logging program specifically designed to aid in more efficiently managing club nets, ARES nets, ARES deployments and more.

Plum Logger is FREE and includes a variety of features:
- Web based. No installs needed.
- Works on any Laptop, Tablet, or Phone.
- Works on Unix, Windows, Rasp pi, Apple
- Includes map of all check-ins
- Hams can see net activity & who's next up.
- Notes can be added to check-ins.
- All net check-ins are archived.
- You can add club messages and events.
- Net operator schedules can be listed.
- And many more.

For more information visit Plum's web site: Plum Logger and Map. For more info or a demo send an email to: John, KK4SHF.

Ham Radio History: Humor, Poetry, & Rotten Rants

by Chris Codella, W2PA

[Editor's note: The author, Chris Codella, W2PA, maintains a web site full of interesting stories about the development and evolution of radio communication. This is the seventh in a series of articles about the earliest days of radio history. The stories are reprinted here with permission of the author. Be sure to visit Ham Radio History for some fascinating reading.]

Humor played a prominent role in *QST* from its first issue, born of the evident joy hams derived in pursuing their passion for radio.

The first curious attempt, in the first issue, two pages from the back cover, was not an article at all but a reprinted letter. It had been sent in by a Japanese radio student, identified only as Kathis Kathan, of Hynacus, who attempted to ask a technical question in painstaking, but painfully broken English — the main source of humor and confusion.(1)

The Old Man – illustration from January 1917 QST

Despite this, the student seemed to be posing a fairly deep question: In a condenser, the dielectric is the heart of the device and is the material in which charge is stored, he wrote, and seemed to cite his interpretation of English technical papers to back this up. But, he then asked, how could this be true for air dielectric condensers, since he could blow the air away and still have charge left? It was quite a reasonable question coming from a beginning student trying to get a foundational understanding of a device that was fundamental to radio. Exactly where charge is stored was his main source of confusion. He closed his letter with, "Explanation me Honorable Radio Secretary for which accept my assurances most distinguished consideration," referring to Tuska.

The letter and its appearance in *QST* are difficult to figure out — especially the name Kathis Kathan, which is distinctly not Japanese sounding, and the location which does not seem to exist today — except that young Tuska probably found the letter hilarious. The secretary of the League offered a $5 reward to readers for the best answer as judged by its "funny side or technical value" — in that order. The responses appeared in February *QST* and the promised award was announced. Some respondents attempted to be humorous; one seriously tried to answer the question but interpreted the original letter differently from how I did.

The Old Man, the pseudonymous author of a long running humor series, made his first appearance in the second issue of *QST* writing about "Running Tests between Amateur Stations" — a *non-humor* piece.(2)

He described a scenario in which two hams set up a scheduled contact, trying to work each other over some long distance despite the party line nature of radio at that point, only to have their attempt foiled by a combination of household distractions and boys making long transmissions using spark coils. There was a need, he asserted, for scheduled, widely agreed-to times for relay testing when other "unimportant amateur work" would keep quiet. He suggested a 30-minute window each night between, say, 8:45 and 9:15. "Little boys" with spark coils and a few dry cells were the usual source of casual interference, he wrote. Times between 7:30 and 10:00 p.m. were particularly problematic. Therefore, another way to avoid interference would be to wait until later in the evening, when "the little boys have been tucked away for the night." Later he allowed that, of course, the boys should be encouraged to "practice radio signaling" but that surely it should not be so difficult to keep quiet for a few minutes each night.

The little boy with the squeak box thus became a frequent target of complaints about QRM (interference). But they were not all little boys, and an alternative view

(continued on page 5)

began to assert itself. *QST* began receiving mail complaining about the frequent disparagement of the little boys with squeak boxes. Not only were these individuals frequently mature adults, but spark coils were routinely used for long distance work and to participate in links in the relays. The devices were also more efficient, some argued, as measured in distance per watt, than the transformer stations. (This sounds like the QRP/QRO argument today.)

Nearly a year after, The Old Man's piece was published. The editor (likely also Maxim) wrote in response, "For our share in this thoughtless aspersion of the spark coil, we apologize in public and in print." Now about the "little boy" part — *QST* may have gotten the age wrong. But the abusers, whatever their age, did exist and were causing "untold misery" to other operators. Nevertheless, he wrote, "To the little boy… who is well behaved after 9 pm, and the spark coil who is always well behaved if the vibrator is kept clean, we extend the glad hand of fellowship. All of us were once little boys ourselves, many of us are little boys yet, and practically all of us had our whack at the spark coil before we got there, in radio."[3]

Radio was not just for the male of the species, either. Women and girls interested in wireless were welcomed in a fashion, but treated as rare curiosities. In the first reference to one in *QST*, R. M. McLain of Huntsville, AL, wrote a letter reporting that while traveling in the hills of northern Alabama he came across a young lady, about age 17 he estimated, working on an aerial.[4] She was definitely a radio enthusiast — "I am crazy about it," she said — and was constantly repairing this particular aerial every time the wind would blow it down. McLain also noticed various farm animals and a spinning-wheel apparently still in use, and commented how this was certainly an unusual girl, able to "operate anything from an old spinning wheel to a modern wireless telegraph."

The humor tradition resumed in May with the inaugural installment of the long running series of rants by *The Old Man* (TOM) that would come to be known as the "Rotten" series, since their titles all included that word. With time, people generally accepted as fact that the humorous kvetch was HPM himself, but there was no conclusive proof or admission published until after his death, years later. This makes the back-and-forth between TOM and the *QST* editorial page about the "little boys with squeak boxes" all the more amusing—both were unsigned, and both had probably been written by Maxim.

In "Rotten Sending," aside from criticizing disproportioned Morse code elements, TOM complained about the increasingly popular practice of using abbreviations and shortened spellings (hv for have, nite for night, etc.), most of which are in common use for a long time today.[5]

de W2PA

Footnotes:

(1) "The Secretary of the American Radio Relay League Offers a Reward!," *QST*, December 1915, 23. ↩

(2) "Running Tests between Amateur Stations," *QST*, January 1916, 8. ↩

(3) "The Little Boy With the Spark Coil," Editorial, *QST*, March 1917, 27. ↩

(4) R. M. McLain, Radio Communications of the Amateurs, *QST*, March 1916, 52. ↩

(5) The Old Man, "Rotten Sending," *QST*, May 1916, 98. ↩

(Next month: Technical Writing - Professionals and amateurs, sometimes the same)

(Are you enjoying this series? Please let us know. Send your comments to tchamnews@gmail.com.)

Got My License, Now What? Operating Procedures

Whether you are a new ham or have years of experience, using a standard QSO format when communicating, is good practice. A QSO should start with call signs (Volunteer Monitors will be happy). From there QTH and signal reports. Other info like radios, weather, and antennas usually are sent before conversing.

Digital mode QSOs such as FT-8 are very structured. WSJT uses predefined message formats. You can deviate by manually changing any of the text messages, but with the next QSO, WSJT will go back to the structured messages. FT-8 is not natively a conversational mode. There are derivatives you can use such as JS8CALL.

How about a 2 meters or 70cm QSO? This is where things can get a little fuzzy for some hams, new and old. You will hear call signs at the beginning of the conversation, but then huge time lapses can occur before the calls are given again. Also phonetic call signs are not often used unless participating in a net or circumstances warrant. You occasionally hear repeater owners breaking into a QSO to remind the hams of the dos and don'ts of proper operation. They should listen, but some don't.

Every ham needs to practice good operating! Do you?

Upcoming Hamfests

FLORIDA

5/07/2022 - EPARS Tailgate
Location: Dade City , FL
Type: ARRL Hamfest
Sponsor: East Pasco Amateur Radio Society
Website: http://eparsonline.org

5/28/2022 - WormFest
Location: Pinellas Park, FL
Type: ARRL Hamfest
Sponsor: The Glorious Society of The Wormhole
Website: https://w4orm.org/

8/13/2022 - Ft. Pierce Hamfest
Location: Ft Pierce, FL
Sponsor: Ft. Pierce Amateur Radio Club
Website: https://fparc.org/

According to the Internet, a Hamfest is a gathering of people interested in Amateur Radio. Hamfests offer exhibits, forums and flea markets for Amateur Radio operators or "hams." What you can see at a Hamfest is a gathering of hams enjoying ham camaraderie. This is the intangible benefit of all Hamfests. We like to have the opportunity to gather and meet our friends from other parts of Florida and elsewhere.

EVENT LOCATION
Greene County Fairgrounds
120 Fairgrounds Road, Xenia, OH 45385

EVENT HOURS
Flea Market and Inside Exhibits
Friday, May 20: 9 AM to 5 PM
Saturday, May 21: 9 AM to 5 PM
Sunday, May 22: 9 AM to 1 PM

Buy Tickets Online
$26 advanced registration $31 at the door
ONCE TICKETS ARE MAILED, THEY ARE NON-REFUNDABLE.

A Ticket Includes
Admission to the show for Friday, Saturday and Sunday
All forums and special speakers in the show
Prize Drawing

FOR MORE INFORMATION PLEASE GO HERE:
2022 DAYTON HAMVENTION

Amateur Radio Satellite Insights... *from Amateur Radio in Space (AMSAT)*

The IARU coordinated two upcoming satellites containing Amateur Radio payloads on April 4, 2022.

URESAT
URESAT (HADES-B ITU designation) is a 1.5 P Pocketqube mission sponsored by AMSAT-EA. It will offer licensed radio amateurs around the world the opportunity to relay FM voice and AX.25/APRS 300/1200 bps communications. This will be achieved by implementing a SDR based FM and FSK repeater. A SSTV camera module by Brno University is expected to fly depending on time restrictions. Images would be taken randomly but the SSTV module would contain some ROM coded images to be transmitted as well. URESAT hardware and software subsystems are enhanced versions of the previous AMSAT-EA HADES satellite mission launched on a SpaceX Transporter-3 mission on January 3, 2022. A downlink on 436.888 MHz and an uplink on 145.975 MHz have been coordinated for a V/U FM voice repeater, a beacon with FSK, AFSK and APRS telemetry plus a CW beacon. The launch is planned for a 525km polar orbit with SpaceX in October 2022 managed by Exolaunch / Alba Orbital. More info at https://www.amsat-ea.org.

LightCube
LightCube is a 1U CubeSat educational mission sponsored by Arizona State University. Its aim is to inspire and provide a learning experience to people across the planet by producing a light visible to the naked eye. The flash, expected to be as bright as the International Space Station, will be produced by two Xenon flash tubes. The spacecraft will be triggered by Amateur Radio operators. This mission with its outreach goal of increasing the accessibility of satellites will inspire more people to become Amateur Radio licensees and to continue interacting with more CubeSats. In addition to triggering the LightCube flash, radio amateurs can also download and decode the telemetry information. A downlink on 437.175 MHz using 1k2 AFSK with AX25 has been coordinated. Planning a deployment from the ISS NET in October, 2022. More information at: https://lightcube.space.

Welcome to the Treasure Coast Ham News
Monthly Meeting, Nets, and Events Calendar

If you know of an event, net, or meeting and think it would be of interest to our Treasure Coast Hams, please let us know. As with anything new, you can help us make the calendar better. Send your event announcements to tchamnews@gmail.com.

May 2022

April

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

June

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 **TC R/T Net-8pm** 146.775(-) (107.2) **SKYWARN Net-9pm** 146.775(-) (107.2)	2 **Slow CW Net-6:30pm** 146.995(-) (107.2) **IRC Emer. Net-8pm** 146.775(-) (107.2) **MCARA R/T Net-8pm** 145.500(-) (107.2) **OARC Club Net-8pm** 147.195(-) (100.0)	3 **IRC ARES Net-7:30pm** 145.130(-) (107.2) **FPARC R/T Net-8pm** 147.35(+) (107.2) **D-Star Net-8:30pm** 444.500(+5) Port B	4 **SLC ARES Net-7:30pm** 147.240(+) (107.2) or Winlink Checkin sent to W4ISZ	5 **Slow CW Net-6:30pm** 146.995(-) (107.2) **PSLARA R/T Net-7:30pm** 146.995(-) (107.2)	6	7
8 **TC R/T Net-8pm** 146.775(-) (107.2) **SKYWARN Net-9pm** 146.775(-) (107.2)	9 **Slow CW Net-6:30pm** 146.995(-) (107.2) **IRC Emer. Net-8pm** 146.775(-) (107.2) **MCARA R/T Net-8pm** 145.500(-) (107.2) **OARC Club Net-8pm** 147.195(-) (100.0)	10 **IRC ARES Net-7:30pm** 145.130(-) (107.2) **FPARC R/T Net-8pm** 147.35(+) (107.2) **D-Star Net-8:30pm** 444.500(+5) Port B **OARC ARES Net-8pm** 147.195(-) (100.0)	11 **FPARC Mtg-7:30pm** Indian River State College Ft. Pierce-Bldg R, Rm 124 Check FPARC website for any room number changes	12 **Slow CW Net-6:30pm** 146.995(-) (107.2) **PSLARA R/T Net-7:30pm** 146.995(-) (107.2) **VBARC Mtg-7:30pm** 4225 43rd Av Vero Bch	13	14
15 **TC R/T Net-8pm** 146.775(-) (107.2) **SKYWARN Net-9pm** 146.775(-) (107.2)	16 **Slow CW Net-6:30pm** 146.995(-) (107.2) **IRC Emer. Net-8pm** 146.775(-) (107.2) **MCARA R/T Net-8pm** 145.500(-) (107.2) **OARC Club Net-8pm** 147.195(-) (100.0)	17 **IRC ARES Net-7:30pm** 145.130(-) (107.2) **FPARC R/T Net-8pm** 147.35(+) (107.2) **D-Star Net-8:30pm** 444.500(+5) Port B	18 **SLC ARES Mtg-7:30pm** SLC EOC-15305 Midway Ft. Pierce	19 **Slow CW Net-6:30pm** 146.995(-) (107.2) **PSLARA R/T Net-7:30pm** 146.995(-) (107.2)	20 **DAYTON HAMVENTION**	21 **DAYTON HAMVENTION** **Vero Beach QRP Outing**
22 **TC R/T Net-8pm** 146.775(-) (107.2) **SKYWARN Net-9pm** 146.775(-) (107.2) **DAYTON HAMVENTION**	23 **Slow CW Net-6:30pm** 146.995(-) (107.2) **IRC Emer. Net-8pm** 146.775(-) (107.2) **MCARA R/T Net-8pm** 145.500(-) (107.2) **OARC Club Net-8pm** 147.195(-) (100.0)	24 **IRC ARES Meeting** 145.130(-) (107.2) **FPARC R/T Net-8pm** 147.35(+) (107.2) **D-Star Net-8:30pm** 444.500(+5) Port B	25 **PSLARA Meeting** **Indian River State College** **Veteran's Resource Ctr.** 500 NW California Blvd.	26 **Indian River Co. ARES** 4225 43rd Av Vero Bch **Slow CW Net-6:30pm** 146.995(-) (107.2) **PSLARA R/T Net-7:30pm** 146.995(-) (107.2) **MCARA Mtg-7pm** 802 SE Monterey, Stuart	27	28
29 **TC R/T Net-8pm** 146.775(-) (107.2) **SKYWARN Net-9pm** 146.775(-) (107.2)	30 **Slow CW Net-6:30pm** 146.995(-) (107.2) **IRC Emer. Net-8pm** 146.775(-) (107.2) **MCARA R/T Net-8pm** 145.500(-) (107.2) **OARC Club Net-8pm** 147.195(-) (100.0)	31 **IRC ARES Net-7:30pm** 145.130(-) (107.2) **FPARC R/T Net-8pm** 147.35(+) (107.2) **D-Star Net-8:30pm** 444.500(+5) Port B	1	2	3	4
5	6	**TC**: Treasure Coast **IRC**: Indian River County **SLC**: St. Lucie County **PSLARA**: Port St. Lucie Amateur Radio Association (www.pslara.org) **FPARC**: Ft. Pierce Amateur Radio Club (https://fparc.org/) **MCARA**: Martin County Amateur Radio Association (https://mcaraweb.com/) **OARC**: Okeechobee County Amateur Radio Club **VBARC**: Vero Beach Amateur Radio Club (http://www.w4ot.com/)			**R/T**: Ragchew/Traders **Emer.**: Emergency		

Army Military Auxiliary Radio System MARS Day - May 14, 2022

The MARS AFD Crossband Test will test two-way communications between military and amateur radio radio stations. The tests provide opportunities and challenges for radio operators to demonstrate individual technical skills in a tightly controlled exercise scenario that does not impact any public or private communications.

Military stations will transmit on selected military frequencies and will announce the specific ARS frequencies monitored. All times are ZULU (Z), and all frequencies are Upper Side Band (USB) unless otherwise noted. The frequencies used for the test will not impact any public or private communications and will not stray outside the confines of the exercise.

The following stations are planning to make two-way radio contacts with amateur radio stations:

AAZ/FT HUACHUCA, AZ
AAC/BARROW ARMY RESERVE CENTER, KY
AAN/U.S. NORTHERN COMMAND, CO
AAU/HQ US ARMY GARRISON FORT KNOX, KY
ABH/SCHOFIELD BARRACKS, HI
ADB/CAMP FOSTER, OKINAWA
AAM046/NAS WHIDBEY ISLAND, WA
AFM4NPD/NAVAL SUPPORT ACTIVITY MID-SOUTH, MILLINGTON, TN
AAM3D/DISA CYBERSPACE OPERATIONS DIRECTORATE, FT MEADE, MD
WAR/PENTAGON WASHINGTON, DC
AIR/ANDREWS AFB
AGA2SY/HANCOCK FIELD, NY
AGA5SC/SCOTT AFB, IL
AGA5TR/TRAVIS AFB, CA
MARSRADIO
MARSCOMM
NBKJ/USS YORKTOWN PATRIOTS POINT, SC
NEPM/USS IOWA BB 61 LOS ANGELES, CA
NIIW/USS MIDWAY CV-41 SAN DIEGO, CA
NWVC/LST-325 EVANSVILLE, IN
NSS/US NAVAL ACADEMY ANNAPOLIS, MD
NAF/NEWPORT NAVAL RADIO STATION MUSEUM NEWPORT, RI
NMC1/US COAST GUARD BASE ALAMEDA, CA
SCHOOLHOUSE/SAVANNAH CYBER TRAINING CENTER SAVANNAH, GA

An AFD message will be transmitted utilizing the Military Standard (MIL-STD) Serial PSK waveform (M110) followed by MIL-STD Wide Shift FSK (850 Hz RTTY) as described in MIL-STD 188-110A/B. Technical information regarding these waveforms is provided at: MIL-STD Amateur Radio Software Info.

The AFD Sec Def Message will also be sent in Continuous Wave (CW) mode and Radio Teletype (RRTY) at 1400Z and 2000Z on: AAZ, MIL-STD110; AAU, MIL-STD110; AAC, MIL-STD110 / RTTY; AAM046, MIL-STD110; ADB, MIL-STD110; WAR, MIL-STD110 / RTTY / CW; AAM3D, MIL-STD110; NEPM, RTTY; NWVC, CW; NIIW, MIL-STD110 / RTTY / CW

For those who wish to document their contacts with a QSL card, go to: Armed Forces Day QSL Request Form.

For individual station times, frequencies and modes go to: Army MARS AFD Day.

Are You WSPRing?

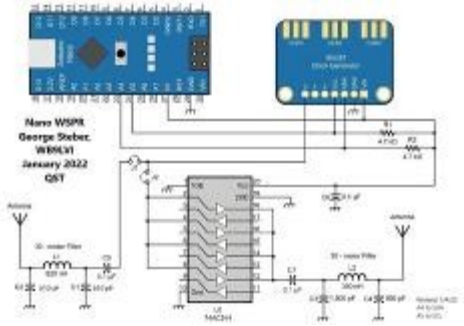
Previously, we discussed weak signal propagation reporter and ways to broadcast a signal. One of the simplest methods is using your station rig. For more portable operation, buying one of the many kits available is an option.

For those who want to roll their own **WSPR** transmitter, the January 2022 QST had an interesting article from Dr. George Steber, WB9LVI. Dr. Steber is a very prolific **WSPR**er and has published articles in QST and Nuts & Volts. He regularly contributes his **WSPR** designs and thoughts to hams. His QST article used a rather unique and simple approach for **WSPR** transmitting. Dr. Steber suggested an Arduino **NANO** microcontroller, a SI5351 Clock Generator and a low pass filter to produce a 12.5mW signal. If you want to try QRO, a 74AC244 can be added to boost power to 100mW, but what fun is that?

Many of the simple WSPR transmitters require interfacing a Raspberry Pi or PC running a software application. Dr. Steber took a different approach and created a software HEX file to be loaded into the **NANO**. On the Internet some have complained that his source code is locked. That is correct, but as Dr Steber says in his article *"Many of us just want to build a project and not be an expert programmer."* Hear, hear. You will still need to know how to install a driver and upload the HEX file to **NANO**.

One ham on the Internet said he had issues with loading the batch file. The following may assist if you need help. ***"I get an error when trying to open the COM port. AVRDUDESS, the GUI version of AVRDUDE allowed me to upload to the Nano."*** He also had issues getting the Windows control software, NanoWSPR-GRS to open. *"I had to register two OCX files using Windows' Commands rather than the utility software used in the article. I'm running Win64 so the files go into SysWOW64 folder."*

The QST schematic had 2 errors. The Arduino pins A4 should go to SDA and A5 to SCL. Also some Si5351 boards don't need the 4.7k pull-up resistors. You can enlarge the below schematic to see the changes.



73, TCHamNews

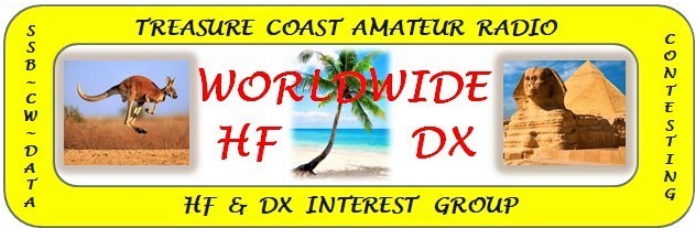
YOU TOO CAN BE A NET CONTROL OPERATOR

Ever had a hankering to be a net control operator? Think it's only for experienced hams? Not so. Any ham can do it.

Most nets are of the directed variety. The net controller's function is to manage the net. Club nets are more relaxed. ARES more formal and can include traffic handling. Club nets are a great way for hams to learn the role of a net controller and prepare for ARES nets, if they wish.

Both types of nets share common operating procedures such as a preamble of the net's function, notices of special events or upcoming meetings. Next, hams wishing to participate are asked to provide their call signs. If you have ever listened to a net and the control operator says *"all wishing to communicate with net control, come now,"* you will know why directed nets with orderly call sign requests, are necessary. It can border on madness without.

Getting your feet wet as a net controller. First, join or listen in on as many nets as possible. Observe how they are run. Note good operating procedures and also the not so good. Almost every net control uses a style governed by the net manager or function. The Internet has net control script examples you can use or adapt to help you start being a net control. Take the plunge. The water's just fine.



IT'S ABOUT TIME! For several months now we've been talking about getting the HF/DX group back together. Well… Good news! Finally, it is time for action!

A few of the former members plan to get together for breakfast and a casual meeting on Friday, May 13, 2022 at 9:00 AM at the Bob Evans restaurant, 1830 SW Fountainview Blvd, St. Lucie West. (Please note: you will be responsible for purchasing your own breakfast.)

If you have an interest in HF and DXing, please consider joining us. We will talk recent HF/DX successes, antennas and other topics of interest. Bring along your recent log for discussion, and also a few QSL cards to show around. And do bring your questions. Hopefully someone can provide answers. Please consider joining us.

Questions? Send us an email: tchamnews@gmail.com.

The Frugal Ham Radio Operator

One of my Elmers, Allen W4PHL (SK) and I had a weekly QSO on 20m after he retired. He was in Oklahoma. I was in Virginia. We were 1000 miles or so apart. Our 20m QSOs regularly proved to be problematic.

Part of the problem was he used a 600w linear and I ran 100 watts. I struggled finding a solution. My antenna was a G5RV and was supposed to be a good performer on 20m. *Strike one.* I went to the Orlando Hamcation while down in Florida and saw the TenTec 715 speech processor demonstrated. It seemed like it would help me and bought one. *Strike two.* I considered buying a linear, but could not afford anything in my price range at the time. *Strike three.*

One day there was a knock on my door. The FedEx driver had a huge box for me. Thinking it was a mistake, I asked to see the sender's name. It was W4PHL in Oklahoma. I opened the box and found a Kenwood 520s along with the external digital display. Using my landline phone, I called Allen. He said with our QSO problem, he thought the 520s with its 200 watt output might help. I thanked him and took the 520s down to the shack.

The radio needed some TLC. Nothing major, just little rust on the outside and the leather handle covers. The silver plastic around the front panel needed some touch up. Again, an easy fix. After working on the outside, I concentrated on the 520s internals.

I unscrewed the top cover. Nothing seemed out of place. No burnt components. Actually it looked very clean. Not being sure when it was last used, I dug out my VARIAC and slowly brought the radio up to operating voltage. All was well and I was soon receiving signals on all bands. I switched to tune. Whoops! A problem! I could only get 75 watts output into my dummy load.

The 520s used 6146Bs in the power amplifier. A 12BY7 Pentode tube was used for a driver. I found the service manual on the Internet. It seemed to indicate either finals or driver. Back to the phone I went to Allen to ask about the finals. He told me he had inherited the radio from a silent key and didn't think the radio had been abused. We kicked around the issue and came to the conclusion that maybe the driver tube was where to start.

Now, if this were the good old days I would head down to Radio Shack or my neighborhood convenience store to use their tube checker. Not anymore. I found a good 12BY7 on eBay and ordered it. While waiting for the tube to arrive I used contact cleaner on the radio's controls and circuit board connectors.

A week later the tube arrived in the mail. I carefully pulled out the 9 pin miniature tube and replaced it with the replacement. Turning the radio on, I switched to tune and adjusted the driver and output controls. Bingo, 185 watts! Next month we move on to a suitable high impedance microphone, a Shure 444D bought for $5 bucks.

73, *The Frugal Ham*

Short Takes

Hey What's That Path Profiler:
https://www.heywhatsthat.com/profiler.html

WSPR Live:
https://wspr.live/gui/d/LmMd4oUiz/station-activity?var-sign=VA3UAL&var-mode=tx&var-not_mode=rx&var-band=10&var-band=14&var-band=28&from=now-30d&to=now&orgId=1

RSGB RadCom Archive (80s & 90s):
https://archive.org/search.php?query=radcom

ARRL HQ YouTube Videos:
https://www.youtube.com/user/ARRLHQ/videos

Tesla Charging Ports Opened with HackRF Replay Attack:
https://www.rtl-sdr.com/tesla-charging-ports-opened-with-hackrf-replay-attack/

A Ham's Guide to RFI, Ferrites, Baluns and Audio Cables: audiosystemsgroup.com/RFI-Ham.pdf

Two useful reference sites for DX chasers:
www.ng3k.com
hamalert.org

Email & Chat Groups

A group dedicated to the Anytone AT-5888UV and model III transceiver: Anytone AT-5888UV

Here's a group where you can schedule FT8 QSOs: FT8 Worldwide DX

See an interesting web site or Group? Tell us about it. Send link to tchamnews@gmail.com

Treasure Coast Ham Doctors

WSJT-X Waterfall Display

A common comment heard from local hams concerns the waterfall display of WSJT-X. We frequently hear disappointment expressed concerning apparent limitations of the display and the frustrations of users trying to better understand it.

This month, let's explore the waterfall a bit and attempt to clear up some of the confusion and misunderstands surrounding it.

Question:

I operate WSJT-X using two monitors. The main WSJT operating screen is on my primary monitor, while I display the waterfall on a smaller secondary monitor along with a QRZ.com window and a PSK Reporter window.

My frustration is with the width of the waterfall display. When I start the program, the waterfall is wider than the screen. It defaults to displaying signals from about 300 Hz to 1200 Hz. If I move the display to the right, I can view signals from 0 Hz to 900 Hz. Sliding the display to the left I can view from 900Hz to 1800 Hz.

There must be a way to view the full 1800 Hz width of the waterfall on my screen. Help!!

Answer:

I understand exactly what you are describing. When I installed WSJT-X on my computer, the waterfall display behaved exactly as you described.

The good news is that after taking time to study the documentation and do some experimenting I was able to improve waterfall usefulness. Allow me to explain.

There is a setting you will want to change in the WSJT-X configuration file.

Go to ***File - Settings - Advanced.*** In the ***Miscellaneous*** section on the top right of the page find the ***Receiver bandwidth*** adjustment.

This setting defines the amount of bandwidth WSJT will decode. Set this adjustment to a value equal to or slightly greater than the setting of your receiver's bandpass filter, which is probably 2400 Hz or 3000 Hz. Then click ***OK*** to save the change.

Note that if your receiver's bandpass is set to less than 3 KHz, you will want to increase it because the normal FT8 and FT4 sub-bands are 3 KHz wide. (My rig's bandpass filter is set to 3000 Hz. I have the ***Receiver Bandwidth*** value set to 3500 Hz in my WSJT-X.)

There is one more change you need to make directly on the waterfall display. If not already selected, add a check mark to the ***Controls*** box on the top left of the display. Now click the up arrow on the ***Bins/Pixel*** setting. This will increase the width of the band that is displayed on the waterfall. That should solve your waterfall problem.

73, The Doctors

FT8 / WSJT-X Operating Tip - Using Older Rigs

Special Settings for Older Radios

A common comment heard from new users of WSJT-X concerns frustration with the limited number of signals decoded in the Receive Window on the left side of the main WSJT-X display.

To understand the issue better, I often try to compare the contents of my Receive Window to that of the other user. Often signals decoded on my screen do not show up on the other person's screen. The un-decoded (missing) signals are almost always on the higher frequencies shown in the Receive Window of my screen.

A quick check of the other user's WSJT-X configuration settings usually indicates everything is set properly. So what is the difficulty?

Often the cause is the radio, especially older radios that do not have all the features of modern rigs.

Because FT8 is a digital mode, users naturally tend to set their rig for data mode, which results in a narrow receive passband, typically no greater than 1800 Hz.

Here's the tip - With older rigs, set your operating mode to USB instead of Data. You should now be able to set your bandpass filter to 3 KHz, allowing you to receive and decode the full FT8 sub-band.

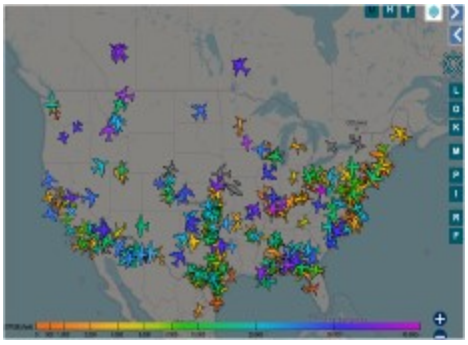
Send your questions or tips to tchamnews@gmail.com.

UTILITY STATION MONITORING

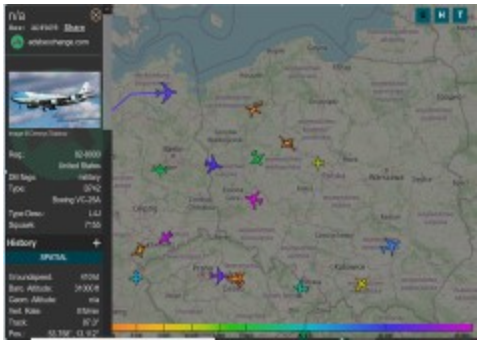
Utility monitoring can take a number of forms. Beyond radio scanning, the Internet offers some interesting opportunities. I discovered Automatic Dependent Surveillance-Broadcasts (ADS-B) using my RTL-SDR dongle years ago. ADS-B broadcasts an aircraft's GPS position to the ground, where it is displayed to air traffic controllers. Using the SDR dongle with the right software app was a perfect tool to receive and display ADS-B signals on a map display.

Many Americans are keenly interested in the Russian invasion of Ukraine. Daily, we see the horrendous genocide from ground level reporting, but very little is shown regarding US, NATO and allied aircraft in use. Recently, a UCF student created adsbexchange.com. With the website we can view military aircraft as they supply urgent materials for Ukraine, conduct multi-purpose surveillance, ferry VIPS and potentially train for a wider conflict. Drones can be seen skirting the Black Sea and anti-submarine surveillance. While the website can give us much incite, if we connect the dots, there is much more to be found. So let's take a look. (the below images can be enlarged a little to show detail)

US/NATO military aircraft in Europe

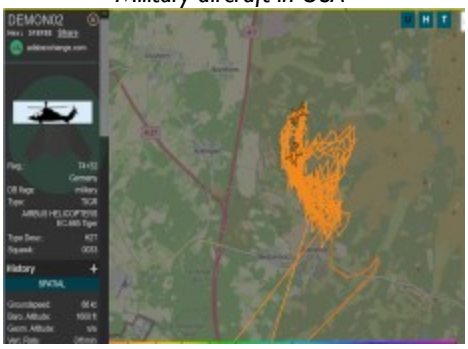


Military aircraft in USA

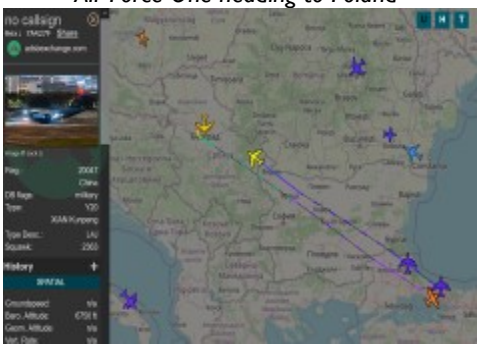


Air Force One heading to Poland

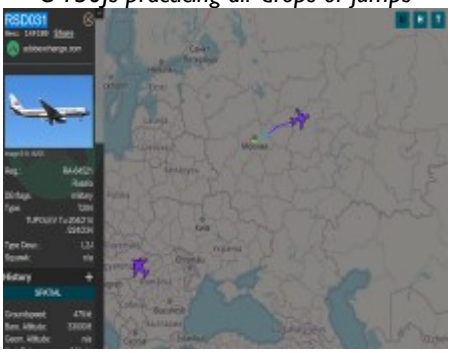
C-130Js practicing air drops or jumps



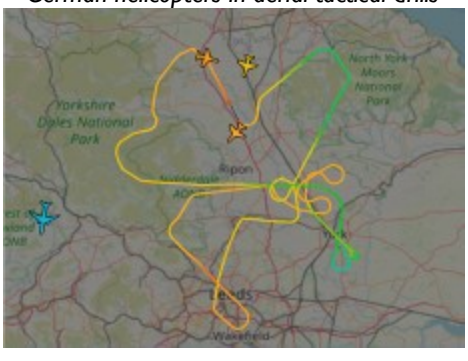
German helicopters in aerial tactical drills



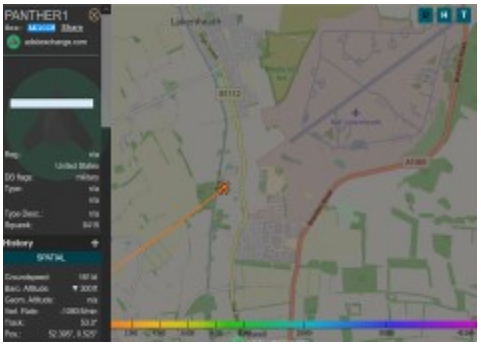
Chinese aircraft delivering weapons to Serbia



Russian VIP aircraft leaving Moscow



UK VSTOL "Goosehawks" in tactical drills



US F-35A "Lightning II" landing in UK

One morning I observed a US WC-135W Constant Phoenix aircraft (JAKE21) flying a N/S pattern over the eastern coast of the UK. Many surveillance/reconnaissance aircraft are seen in Europe, but this one was different. Turned out this aircraft was collecting nuclear particulate and gaseous effluents and debris. I saw the aircraft immediately after the Russians pulled out of Chernobyl. Coincidence, maybe so, but remember connecting those dots can tell a lot.

From the weekly ***ARRL DX Bulletin*** and other sources. (DX bulletin archive)

DX OPPORTUNITIES

MOZAMBIQUE, C9. Pedro, CT7AHV is QRV as C91AHV from Chinonanquila, Matola Rio until May 4, and only during weekdays. Activity is on 40 to 10 meters using CW, SSB, and FT8. QSL to home call.

SAINT MARTIN, FS. Marco, KC9FFV is QRV as FS/KC9FFV until the end of 2022. Activity is in his spare time on 40 to 6 meters. QSL via IZ1MHY.

MINAMI TORISHIMA, JD1. Take, JG8NQJ/JD1 has been QRV using CW on 15 meters between 0800 and 1100z. QSL via JA8CJY.

SOUTH SUDAN, Z8. Diya, YI1DZ is QRV as Z81D from Juba until September 11. Activity is holiday style on the HF bands. QSL via OM3JW.

PAPUA NEW GUINEA, P2. Alberto, EA4PL is QRV as P29LL from Port Moresby. Activity is on the HF bands. QSL via EA7FTR.

DJIBOUTI, J2. Matt, KN9U and Paul, N7JDI are QRV as J20MR and J28JD, respectively, from the US Navy Base in Lemonnier. Activity is in their spare time on 40 to 10 meters using SSB, various digital modes, and possibly CW. QSL via operators' instructions.

JAN MAYEN, JX. Helge, LB4MI is QRV as JX/LB4MI until early October. Activity is in his spare time on 20 and 17 meters using SSB. QSL to home call.

MARSHALL ISLANDS, V7. Stewie, WV7MS is QRV as V7/WV7MS from Kwajalein Atoll, IOTA OC-028, while working as a firefighter. Activity is in his spare time. QSL via LoTW.

NEW CALEDONIA, FK. Jean-Louis, F5NHJ is QRV as FK/F5NHJ from Noumea until June 11. Activity is holiday style on the HF bands using CW, SSB, and various digital modes. QSL via LoTW.

CYPRUS, 5B. Philipp, DK6SP is QRV as 5B4AQC from Nicosia until July 27. Activity is mostly holiday style on various HF bands using CW. QSL to home call.

ANDAMAN & NICOBAR ISLANDS, VU4. Yuris, YL2GM will be QRV as VU4W May 3-16, 2022.

SAO TOME & PRINCIPE, S9. Ryan, K0EFW will be QRV as S9EFW from Sao Tome (AF-023) during the second week of May 2022. Activity will be on SSB on 40, 20, 15 and 10 meters. QSL via K0EFW and LoTW.

ZAMBIA, 9J. Mario, IK1MYT is QRV as 9J2MYT from Lusaka until June 2022. Activity is on 40, 20, 17, 15, and 10 meters. QSL direct to IZ3KVD.

DX SPECIAL EVENT STATIONS

SERBIA, YU. Special event station YU75ACR is QRV from the city of Zajecar until December 31 to mark the jubilee of the foundation of the Amateur Radio Union. QSL via operators' instructions.

POLAND, SP. Special call sign 3Z80AK is QRV until May 31 to commemorate the 80th anniversary of the founding of the Armia Krajowa, the dominant underground resistance movement in Poland during World War II. QSL via SP1PBW.

* * * * *

PIRATE ALERT - SOVEREIGN MILITARY ORDER OF MALTA, 1A0. Someone is pirating the call 1A0UN on 30 and 20 meters CW. Activity has been in the 0450, 0630Z and 1700Z time frames. There has been no activity from the Sovereign Military Order of Malta (SMOM) since 2019.

(Know of an upcoming DX station or Special Event? Send info to: tchamnews@gmail.com)

HAM
Special Event Stations

Memorial Day
May 30, 2022

Remembering Those That Served

May 27-May 31, 1600Z-1600Z, K5E, KI5DQ. 7.220, 14.260. QSL: James Hunt, 1026 Valentine Drive, Sherman, TX 75090.

May 28-May 30, 1400Z-2200Z, W3M. Nittany Amateur Radio Club. 7.245, 14.245. QSL.: W3M c/o Nittany ARC, P.O. Box 614, State College, PA 16801. **nittany-arc.net**

May 30, 1600Z-2130Z, W5KID. Baton Rouge Amateur Radio Club. 7.040, 7.250, 14.040, 14.250. QSL: USS KIDD Amateur Radio Club, 305 S. River Road, Baton Rouge, LA 70802. **www.qrz.com/db/w5kid**

May 30, 1800Z-2200Z, N3TAL. American Legion Post 275 ART. 7.275mhz +/- 5 kHz. QSL: American Legion Post 275 ART, 8201 Martin Luthor King Jr. Hwy, Lanham, MD 20706. **wa3dvo@verizon.net**

From ARRL & other sources

Celebrating National Train Day

May 7, 1300Z-2109Z, W4LX. CW 7.040, 14.040; PSK31 14.070; SSB 7.260, 14.260. Certificate & QSL: Fort Myers Amateur Radio Club, P.O. Box 61183, Fort Myers, FL 33906. From the Railroad Museum of South Florida www.fmarc.net

Golden Spike Special Event Station

May 7-May 10, 1500Z-2300Z, W7G. 14.255, 7.235, 14.040, 7.040. QSL: Ogden Amateur Radio Club - OARC, PO Box 3353, Ogden, UT 84409. Commemorating the Anniversary of the 1869 Driving of the Golden Spike, Completing the Transcontinental Railroad at Promontory Summit, Utah. w7g.org

Wings Over the Rockies B29

May 7, 1400Z-2200Z, W0R. Parker Radio Association. 14.222, 7.222. QSL: W0R, PO Box 3241, Parker, CO 80134. B-29 and warbirds Fly-in parkerradio.org

103rd Anniversary Peace Conference

May 14-May 15, 1300Z-2300Z, WW1USA. World War 1 Museum/Memorial. 7.030, 7.250, 14.030, 14.250. Certificate & QSL: Charles Van Way - N0CVW, 2 Memorial Dr, Kansas City, MO 64108. Send QSL card to receive one. Request to WW1USA@theworldwar.org. https://www.theworldwar.org/amateurradio

Anniversary of Minnesota Statehood

May 14, 1400Z-2200Z, K0M. South East Metro Amateur Radio Club. 7.035, 7.250, 14.250, 18.100. Certificate from website, one month after, event. www.semarc.org

Minnesota Fishing - Ham Lake Park

May 14, 1500Z-2200Z, N0F. 7.250, 14.255. QSL: Anoka County Radio Club, P.O. Box 982, Anoka, MN 55303. www.anokaradio.org

Jamestown Landing Day Event

May 14, 1400Z-2000Z, K4RC. Williamsburg Area Amateur Radio Club. 7.265, 14.265. Certificate & QSL : QSL Manager, K4RC, P.O. Box 1470, Williamsburg, VA 23187. Commemorating the 415th anniversary of England establishing the oldest English-speaking colony in May, 1607. info@k4rc.net or k4rc.net

WHOA Weekend, Scouts BSA

May 14, 1300Z-1900Z, W1M. Western Mass Council, Scouts BSA. 7.190, 10.115, 14.060, 14.290. QSL: Tom Barker, WA1HRH, 329 Faraway Road, Whitefield, NH 03598. Paper logging. QSL via SASE and eQSL.

Dog Island IOTA DXpedition

May 15-May 27, 0001Z-2359Z, K4D, K5TEN. SSB: 7.185, 14.260, 21.285, 28.310; CW: 7.027.5, 7.110, 10.110, 14.027.5, 21.027.5, 28.010. Also 6m operation for Sporatic-E. QSL: Bruce Brady, 208 Mount Tabor Rd., Hot Springs National Park, AR 71913. Rare NA-085 IOTA island and VHF/UHF Grid Square EL79. QSL SASE and DX $1 plus SAE. k5ten@aol.com

National Police Week Fallen Heroes

May 15-May 21, 0000Z-2359Z, K3FBI/0-9. FBI Amateur Radio Association. 14.275; all bands, all modes. Certificate: Jay Chamberlain, NS4J, 27 Fox Run Ln., Fredericksburg, VA 22405. Multiple club members operating from around the country. PDF certificate only. See website for details. www.qrz.com/db/k3fbi

Lindbergh's Flight Across Atlantic

May 20, 1400Z-2000Z, K2CAM. Long Island Mobile Amateur Radio Club. 14.240 approximate 7.240, FT8, 20 and 40m. QSL: LIMARC, P.O. Box 392, Levittown, NY 11756. Band conditions will determine our operating frequency so keep looking for us. Questions: education@limarc.org. www.QRZ.com/db/k2cam or https://limarc.org/special-events/

Shenandoah Caverns 100th Anniv.

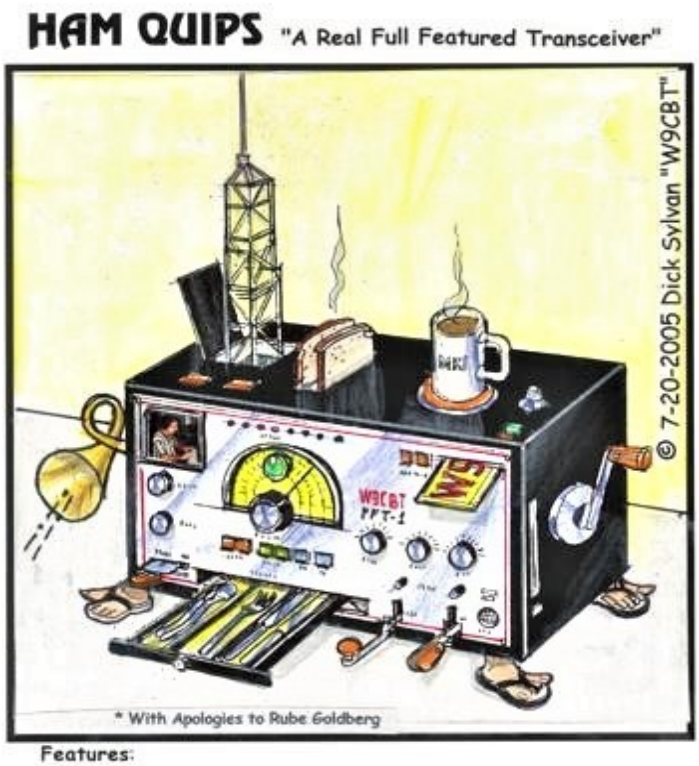
May 21, 1300Z-2100Z, K4S. Woodstock AR Breakfast Grp. 7.240, 7.040, 14.240, 14.040. Certificate: Carl M. Dennis, NX3A, 2224 Gravelltown Rd, Quicksburg, VA 22847. Certificate available for working the station. Must provide a QSL card verifying the contact as well as a large (9' X 12") envelope with sufficient postage.

Red Skelton Museum Festival 2022

May 29-Jun 11, 0000Z-2359Z, K9R, K9GX. 80, 40, 20 and higher bands as conditions permit. QSL: Mark Steven Williams, POB 5973, Elizabeth, IN 47117-5973. Operating schedule and updates on the K9R QRZ page and K9R Red Skelton Museum Special Event FB group page. QRV on 80, 40, 20 and higher bands as conditions permit. K9Rspecialevent@gmail.com or www.qrz.com/db/k9r

Ham Humor

(This month's cartoons are courtesy of Dick Sylvan, W9CBT. Thanks, Dick, for allowing us to share them!)



About Dick Sylvan, W9CBT: Dick was first licensed 74 years ago. Besides being an experienced ham radio operator Dick is also a skilled artist, having drawn over 200 Amateur Radio related cartoons. In 2005 Dick published a collection of some of his earliest cartoons in the book, "***Hi Hi - A Collection of Ham Radio Cartoons***." Dick's book can be purchased from Lulu.com. Click here for a link to Dick's book.

TREASURE COAST HAM NEWS

The editors like to reserve the last few pages of ***Treasure Coast Ham News*** for you, the readers. With your help these pages will include:

For Sale Section – Have something to sell or trade? Send us a description and/or picture to have it listed in this section. Looking to buy something? Provide a description and we will print it.

QSL Card Section – Many hams enjoy viewing QSL cards, especially those with colorful pictures. Send us scans of your favorite QSL cards. Maybe the first card you ever received. Or perhaps your favorite card, or your personal card. We will include some in each issue as space permits.

The last few newsletter pages are yours. Help make them a success by submitting your photos, For Sale listings and QSL cards to tchamnews@gmail.com.

Want to be published? Treasure Coast Ham News invites you to write about your ham radio activities, kit building, DX operations, or any other amateur radio subject. You don't need to be a polished writer, or a writer at all for that matter. We will help you edit your work. While we don't pay for articles, you will receive a full byline. Please contact us at: tchamnews@gmail.com.

Area Club News

Martin County Amateur Radio Association

MCARA serves the Martin County, Fl amateur radio community and ARES. MCARA holds weekly Rag Chew nets, ARES nets and in-person/ZOOM meetings. Please click the ZOOM link on their web site. The association sponsors the March Stuart Hamfest. Did you attend this year at the Martin Co. Fairgrounds? Check out the pictures in last month's newsletter archived at pslara.org. Look in the Pub Documents section.

Fort Pierce Amateur Radio Club

The club officers are: President - David, KG4ORQ, Vice-President - Kevin, W4KKW, Secretary - Pete, KD4SPW, and Treasurer - Kurt, W4KFH.

FPARC is a general purpose amateur radio club with a digital emphasis. The club meets on the 2nd Wednesday of the month on the Main Campus of Indian River State College in Fort Pierce. Watch for email announcements concerning upcoming meetings and events. Additional details are available on the club's web site.

Port St. Lucie Amateur Radio Association

The club officers are: President - Ken, WA4ABR; Vice President - Scott, AI4TT; Secretary - Bruce, WA3RHW; Treasurer - Bob, W4RJP.

May Meeting - In-person at 7:30 PM, May 25, 2022 at the IRSC Veteran's Resource Center, 500 NW California Blvd. Please come out and support the club. Planned speaker is Jim Millner WB2REM. Jim's presentation will be on DXpeditions.

PSLARA NEEDS NET CONTROL OPERATORS.

Vero Beach Amateur Radio Club

VBARC was formed in November, 1961 with a small number of local hams. Today the club has over 100 members and encompasses all of Indian River County. Visit their web site to learn more about the club. Join them on the Treasure Coast Net, 7.153Mhz every morning at 8:00am.

Okeechobee Amateur Radio Club

The club officers are: President/Treasurer - Mark, KF4EA; Vice President - John, KM4CRA; Secretary - Josh, K4JHI.

The Okeechobee Amateur Radio is a general purpose amateur radio club. The club has been in existence over 30 years. For more information please contact John, KM4CRA. Club website: www.k4oke.com

OARC nets include: Club - Monday nights at 8.00pm on 147.195, pl.100.0. ARES - Second Tuesday of each month at 8.00pm on 147.195, pl 100.0.

Repeaters and Club Nets

Our area has a multitude of repeaters. Many clubs hold weekly rag chew nets. All known net schedules can be found on the TCHM calendar in this newsletter. Please get on the air and participate!

(Attention club officers: Please send an email announcing upcoming events and activities to: tchamnews@gmail.com. Send by the 20th of the month to be included in the next issue.)

HAM RADIO EQUIPMENT FOR SALE & HELP NEEDED

BY ORIGINAL OWNER - Create Extra Heavy Duty Antenna Rotator – Model RC5A-3 and preset control box. Includes mounting hardware and factory manual. Rated for antenna up to 20 sq. ft. Test/Demo cable included. See EHAM.NET Reviews for info. $495.00 or Best Offer.

ORIGINAL NON-SMOKING OWNER - YAESU FT1000 HF XCVR 160-10M. 200 WATTS with factory options (DVS-2 voice keyer, MHI-B8 hand microphone) and service manual. Has factory shipping box. $795.00 or Best Offer. Yaesu FT-1000 Specifications & Manual. For both items contact BOB, W7MAE, (772) 444-5845, or email w7mae@aol.com

HELP NEEDED

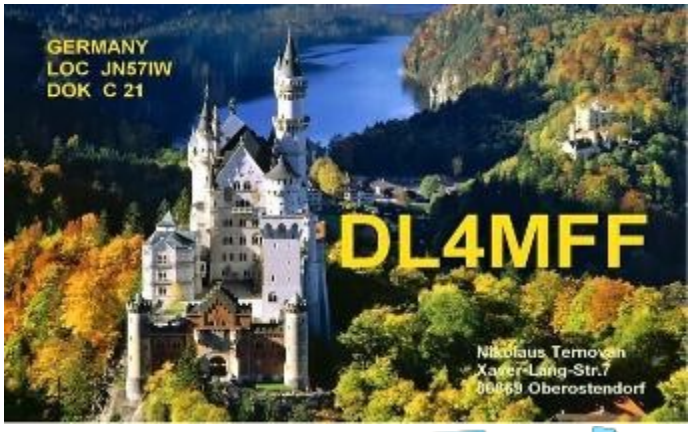
ANTENNA LAUNCHER - Bruce, WA3RHW, is looking to buy or borrow an antenna launcher - PVC type, not slingshot. AKA spud-chucker and potato launcher, among others. Please contact Bruce at btcarroll@comcast.net.

ASSISTANCE NEEDED - Looking for help in installing a discrete screwdriver vertical in my backyard with underground coax at residence. Contact Gus, NU4L, (772) 263-0430 or email gberges@me.com. Please advise if there is any cost and payment method. Thank you very much. Gus, NU4L

QSL Cards

TCHamNews enjoys publishing QSL cards received by our local amateur radio community. If you have an interesting QSL card to share with your fellow hams, please send a scanned image (jpeg) to TCHamNews@gmail.com and we will include it in an upcoming issue. *(If you send us a paper card, we will scan it and send the original back to you.)*

(above two cards courtesy of Bruce, WA3RHW)



TREASURE COAST HAM NEWS
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WE CAN BE REACHED AT:
TCHAMNEWS@GMAIL.COM

Proclamation

WHEREAS, *the Port St. Lucie Amateur Radio Association is an active amateur radio club in Port St. Lucie; and*

WHEREAS, *the amateur radio operators in Port St. Lucie have been contributing to the public safety, good, and welfare; and*

WHEREAS, *amateur radio operators are highly skilled volunteers who receive no compensation for their services; and*

WHEREAS, *members of the Port St. Lucie Amateur Radio Association have joined the St. Lucie County Amateur Radio Emergency Services (ARES) group; and*

WHEREAS, *these amateur radio operators have been integrated into, and have worked closely with, the St. Lucie County Division of Emergency Management, to provide communications between the St. Lucie County Emergency Operations Center (EOC) and evacuation shelters and hospitals before, during, and after disaster events, such as hurricanes; and*

WHEREAS, *amateur radio operators in Port St. Lucie have been trained in FEMA and Emergency Management procedures and protocols, such as the Incident Command System, and have taken training courses with and alongside of first responders; and*

WHEREAS, *amateur radio operators have been in the forefront of developing new technology, and have helped move the science of electronics and radio-related communications forward, going back to the early 1920's when Guglielmo Marconi was inventing "wireless" technology; and*

WHEREAS, *amateur radio operators learn about many sciences, technical, engineering, and math topics, including satellite design, operation, and communications, geography, demography, weather, computer design, programming, and operation, time zones, as well as solar and lunar effects on communications; and*

WHEREAS, *April 18, 2022, has been designated as World Amateur Radio Day.*

NOW, THEREFORE, *I, Shannon M. Martin, Mayor of the City of Port St. Lucie, Florida, do hereby proclaim April 17-23, 2022, to be observed as:*

Amateur Radio Week

in Port St. Lucie and thank the Port St. Lucie Amateur Radio Association for its continued operation and support to the City of Port St. Lucie.

In witness whereof, I have hereunto set my hand and caused the Official Seal of the City of Port St. Lucie, Florida, to be affixed, eleventh day of April in the year of our Lord, two thousand twenty-two.

Shannon M. Martin, Mayor

Sally Walsh, City Clerk

Pictured (left to right): David Pickett, PSL Dist. 2, Stephanie Morgan, PSL Dist.1, Jolien Caraballo, PSL Vice Mayor, Bruce Carroll, PSLARA Secretary, Ken Lenz, PSLARA President, Paul Horner, ARES Emergency Coordinator, Anthony Bonna, PSL Dist. 3