



# FIELD DAY 2022

## NARS NEWS

JULY 2022

Northwest Amateur Radio Society  
P.O. Box 11483  
Spring, TX 77391  
[w5nc.net](http://w5nc.net)



**ARRL FIELD DAY**  
Northwest Amateur  
Radio Society

FASTSIGNS-1960



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**NARS News** is published monthly by the Northwest Amateur Radio Society (NARS). Northwest Amateur Radio Society is a Special Services Club affiliated with the American Radio Relay League, ARRL Club No. 2120.

If you would like to contribute to the newsletter by publishing an article, adding calendar events, or any other contribution, please send all submissions before the end of the month to the newsletter editor:

Brandon Rogers (K5BLR), Newsletter Editor  
[k5blr@arrl.net](mailto:k5blr@arrl.net)

## President's Message

BY RON MATUSEK, WA6TQH

### FIELD DAY Results!

June 24, 25 & 26 was held at the Klein Fire Station #3 where we currently hold our monthly meetings.

In the United States, it is typically the largest single emergency preparedness exercise in the country, with over 30,000 operators participating each year.



Field Day is a showcase for how amateur radio works reliably under any conditions from almost any location to create an independent communications network. "Ham radio functions completely independent of the Internet or cell phone infrastructure, can interface with laptops or smartphones, and can be set up anywhere in minutes.

Operations typically last a continuous twenty-four hours, requiring scheduled relief operators to keep stations on the air. Additional contest points are awarded for experimenting with unusual modes, making contacts via satellite, and involving youth in the activity.

The points are currently being tabulated and will be published for all to see on our website at [www.w5nc.net](http://www.w5nc.net) and "groups.io" during this next week. Pictures of the event have already been posted on our Facebook page and w5nc.net.

There was food, drinks, a place to sit, and an air-conditioned room. What more could you ask for! I want to thank everyone who participated in the event especially those who helped in set-up and tear-down. That was a big effort! Also let us offer a special thank you to Kirc N5XJB and Lee WA5LEE for providing the **fuel** (FOOD) that kept us all healthy and energized to endure this challenge!

### Trailer Renovation

This is work in progress please see a report from our Vice President Paul Kent KI5FJS later in the Newsletter.

### ARRL Project Grants

ALL documents required have been submitted and receipt noted. We are awaiting further communication.

### Repeater Operation & Maintenance

Our Vice President Paul Kent KI5FJS has set up a team to develop Operational and Maintenance procedures for how we manage the NARS VHF/UHF repeaters including outside requests for establishing "NETS" and use of the "W5NC" call sign. The documents are published in "groups.io" for everyone to read and circulated earlier to all board members.

## Happy Fourth of July!

The holiday falls on a Monday this year, giving many Americans a three-day holiday weekend. While you're thinking of [fun 4th of July ideas](#) for this year's celebration (like planning a trip to see the best [fireworks](#), Family or a back yard barbeque, you may wonder about the 4th of July's history and its meaning to this nation.

"Why do we celebrate the 4th of July? What does it mean?" Well, this day is incredibly significant in American history, as it marks the day the United States officially became its own nation. The Declaration of Independence was adopted on July 4th, 1776—and thus, America was born. American citizens celebrate America's birthday with festivals, parades, fireworks, barbecues, sparklers, and other festive activities.

I would like to take this opportunity to wish everyone a very SAFE and HAPPY Fourth of July!

See you at the July General Meeting!

Ron Matusek  
President NARS

## The ARRL Letter

An excerpt from the weekly ARRL Letter

### The K7RA Solar Update

Tad Cook, K7RA, Seattle, Washington, reports:

All measures of solar activity declined in a big way from the last reporting week to the current period, May 26 - June 1, 2022.

Sunspot AR3027 has a reversed magnetic polarity. [NASA SDO/HMI photo]

The average daily sunspot number plummeted from 124.7 to 52.9, and the average daily 10.7-centimeter solar flux receded from 158.8 to 104.3. These are dramatic shifts, although well within expected variations at this point in Solar Cycle 25.

Predicted solar flux for the next month is 105 June 2 - 4; 100 June 5 - 6; 95 on June 7 - 8; 110, 130, 135, and 140 on June 9 - 12; 145, 150, and 145 on June 13 - 15; 140 on June 16 - 18; 130, 125, 120, and 110 on June 19 - 22; 100 on June 23 - 29; 98 June 30 - July 3, and 110, 112, and 125 on July 4 - 6.

Predicted planetary A index is a quiet and stable 5 on June 2 - 9; 8 and 12 on June 10 - 11; 14 on June 12 - 13; 8 and 12 on June 14 - 15; 14 on June 16 - 17;



### Did you know...

that the ARRL sends a weekly letter describing some of the current events, activities, and policies that are taking shape in the Amateur Radio world? The following is an excerpt from these letters in January. View all the ARRL letters at <http://www.arrl.org/arrlletter>

12 on June 18; 5 on June 19 - 22; 16, 22, 12, 10, and 8 on June 23 - 27, and 5 from June 28 until July 6.

Sunspot numbers for May 26 through June 1 were 87, 69, 34, 42, 40, 39, and 59, with a mean of 124.7. The 10.7-centimeter flux was 122.7, 113.6, 101.8, 98.4, 100.6, 98, and 104.2, with a mean of 158.8. Estimated planetary A indices were 4, 17, 24, 15, 9, 9, and 6, with a mean of 8.3. Middle latitude A index was 6, 14, 19, 14, 8, 8, and 8, with a mean of 8.3.

A comprehensive K7RA Solar Update is posted Fridays on the ARRL website. For more information concerning radio propagation, [visit](#) the ARRL Technical Information Service, [read](#) "What the Numbers Mean...", and [check out](#) the Propagation Page of Carl Luetzelschwab, K9LA.

A propagation bulletin [archive](#) is available. For customizable propagation charts, visit the [VOACAP Online for Ham Radio](#) website.

### Proclamations Honor Amateur Radio in Run Up to ARRL Field Day

In the run up to 2022 ARRL [Field Day](#), which takes place June 25 - 26, many radio clubs and groups have pursued government proclamations to garner greater attention and public awareness for ham radio and their efforts.

In Ventura County, California, the Board of Supervisors has passed a resolution proclaiming June 2022 "Amateur Radio Month" in honor of the more than 3,800 amateur radio operators in the county. The recognition was made possible through the efforts of Amateur Radio Emergency Service®

(ARES®) District Emergency Coordinator for Ventura County Rob Hanson, W6RH, with support from the ARRL [Santa Barbara Section](#), including Public Information Officer Jeff Reinhardt, AA6JR, and Section Manager John Kitchens, NS6X.

In Massachusetts, Governor Charles D. Baker has declared June 25 to be "Amateur Radio Day." The proclamation recognizes the Commonwealth's radio amateurs for their service to the public in times of hurricanes, tornados, floods, and other emergencies. The proclamation was obtained by Massachusetts State Government Liaison Hank McCarl, W4RIG, of Gloucester. McCarl, an ARRL Life Member, contacted the office of State Senate Minority Leader Bruce Tarr, N1UIU, to arrange for the issuance of the proclamation. "Copies of the proclamation will be distributed to both Eastern and Western Massachusetts Section Managers, so that they may display the documents as they tour ARRL Field Day sites in their respective Sections," said ARRL [New England Division](#) Vice Director Phil Temples, K9HI.

In Florida, the [Jupiter Tequesta Repeater Group](#) (JTRG), an ARRL Affiliated Club, recorded a radio interview with iHeart Talk Show Host Deb Knepp for Field Day 2022. JTRG President Bert Moreschi II, AG4BV, reported that the program will be aired for the next two Sundays (June 19 and 26), in the morning, on the show Palm Beach Perspective. The program is already available as a [podcast](#) and will air on all iHeart radio stations in the South Florida area. On Tuesday, June 21, a 10-minute interview discussing ARRL Field Day will air between 5 and 9 AM EDT on WJNO's morning show, The Morning Rush, with Joel Malkin and Brian Mudd.

ARRL Contest Program Manager Paul Bourque, N1SFE, reminds groups planning their ARRL Field Day participation that they can earn bonus points for obtaining media publicity promoting their activity and general awareness of amateur radio. Bonus points can also be earned for a Field Day site

visit by an elected government official, and for setting up a public information table to help promote ham radio to visitors. For more information about ARRL Field Day, visit [www.arrl.org/field-day](http://www.arrl.org/field-day).

## Field Day 2022: 500,000 Contacts Already Reported

2022 ARRL [Field Day](#) wrapped up nearly a week ago, and ARRL Headquarters has already received over 2,400 entries submitted via the online [Field Day Entry web application](#). Early analysis reveals that most of the entrants participated as Class D -- home stations, and Class E -- home stations using emergency power.

As of June 29, the breakdown of Field Day entries by Class showed 2,723 total entries, with 272 in Class A, 361 in Class B, 32 in Class C (mobile), 1,524 in Class D, 484 in Class E, and 50 in Class F.

So far, a total of over 517,000 contacts were reported for the event and those numbers are changing daily. In 2021, there were 1.5 million contacts made during Field Day activities.

Many participants were keeping their hopes up for better propagation, as early forecasts were looking promising. ARRL Contest Program Manager Paul Bourque, N1SFE, said that propagation aside, there was substantial activity. "While band conditions might not have been the greatest, there was a good amount of activity on the bands this past weekend. Many participants seemed to agree that the recent rule changes, capping transmitter power output to 100 W, were a good idea," he said.

Kristi Milluzzi has made a commemorative Field Day cake for each of the last three years, featuring the event's logo. She recently married Andy Milluzzi, KK4LWR, of Clermont, Florida. Andy is a member of the ARRL Public Relations Committee, and co-advisor to the ARRL Collegiate Amateur Radio Program.

Dustin Lomax, KF7FK, reported in his Soapbox comments that it was his first Field Day in which he used CW, adding that "CW was a fun change of pace that really helped make the most of marginal band conditions in WWA [Western Washington]."

There is still plenty of time to submit your 2022 Field Day entry. Participants who submit their entries using ARRL's [Online Submission Form](#) can earn 50 bonus points and will receive an email confirmation of their completed entry. Be sure to check the [Entries Received](#) web page to verify your entry's status. If it indicates "Pending documents," the required dupe sheet (or in lieu of that, a Cabrillo log file) or other supporting documentation of claimed bonus points is missing.

Participants can edit or add documentation to their online submissions by using the link provided in the confirmation email. Field Day entries must be submitted online or postmarked no later than 2059 UTC on July 26, 2022.

2022 Field Day was highly promoted thanks to the efforts of many ARRL Division and Section volunteers, amateur radio clubs, and their members. Many states and counties obtained special proclamations from local governments designating the weekend (in some cases the whole week) as Field Day and Amateur Radio Week, recognizing the many contributions of amateur radio operators during emergencies and with serving their communities.

ARRL treated participants with a live video stream from W1AW, its Headquarters' station, throughout Field Day. Life Member Karl Schwab, KO8S, of Warren, Michigan, was delighted with making contact with W1AW during Field Day. "I heard W1AW calling CQ Field Day on 20 m SSB," wrote Schwab. "I responded and then heard, 'Kilo Oscar Eight Sierra, you're 5 Foxtrot Connecticut.' I responded with my report, and got in their log. ... After Field Day, and uploading my log, I went to the

ARRL website and there I found a 4-hour video was available on YouTube, showing W1AW during their Field Day activities. While watching this video, at hour 2, minute 55, I heard and saw my live contact with them! [This] was a special moment for me. One I will never forget." A recording of the W1AW live stream is on ARRL's [YouTube channel](#).

## ARRL Podcasts Schedule

The latest episode of the ARRL [On the Air](#) podcast (Episode 28) features a discussion of digital multimeters with practical usage examples and shopping tips.



The latest edition (Episode 58) of the ARRL [Eclectic Tech](#) podcast features a discussion with author Nick Tusa, K5EF, about his new book Wes Schum - Amateur Radio's Unsung Hero.

The On the Air and Eclectic Tech podcasts are sponsored by Icom. Both podcasts are available on iTunes (iOS) and Stitcher (Android) as well as on Blubrry -- [On the Air](#) | [Eclectic Tech](#).

## Amateur Radio in the News

ARRL Public Information Officers, Coordinators, and many other member-volunteers help keep amateur radio and ARRL in the news.

["Ham radio group receives national recognition"](#) / KAAL-TV, ABC 6 News (Minnesota), June 6, 2022. Featuring Northland Amateur Communications Group of Mason City, Iowa, an ARRL Affiliated Club, [ke0pou.com](#).

["ROARS club to demonstrate emergency communications at Amateur Radio Field Day"](#) / Ramona Sentinel (California), June 15, 2022

["Sussex County Amateur Radio Club to participate in national event"](#) / The Advertiser - News South (New

Jersey), June 13, 2022 -- Sussex County ARC is an ARRL Affiliated Club.

"Easton Amateur Radio Society holds annual Field Day June 25-26" / The Star Democrat Easton, Maryland, June 23, 2022 --Easton ARS is an ARRL Affiliated Club

"Amateur radio operators field day set for June 25-26 in Manistee" / Huron Daily Tribune June 22, 2022 --The West Michigan Repeater Association

"It's all about communication for the Iredell Amateur Radio Society" / Statesville Record & Landmark Statesville, NC, June 23, 2022 -The Iredell County Amateur Radio Society is an ARRL Affiliated Club

"Sussex County Amateur Radio Club to participate in national event" / The Advertiser -- News South (New Jersey), June 13, 2022 -- Sussex County ARC is an ARRL Affiliated Club

"Amateur radio operators: One of the first lines of defense when a hurricane hits" / WJXT-Channel 4, WCWJ-Channel 17 (Florida), June 26, 2022 -- Clay County Amateur Radio Emergency Service is an ARRL Affiliated Club.

"Amateur radio operators test skills during annual 24-hour test" / ABC 5 KSTP (Minnesota), June 26, 2022 -- The Stillwater Amateur Radio Association is an ARRL Affiliated Club.

"Amateur Radio Operators prepared to help during emergencies" / ABC 27 (Florida), June 26, 2022 -- The Tallahassee Amateur Radio Society is an ARRL Affiliated Club.

"Local amateur radio club joins counterparts across North America for annual field day" / Trib Total Media (Pennsylvania), June 27, 2022 --The Skyview Radio Society is an ARRL Affiliated Club.

"Local "hams" attend national field day for amateur radio" / The Monroe News (Michigan), June 27, 2022 -- The Monroe County Radio Communications Association is an ARRL Affiliated Club.

"Amateur Radio Operators preparing to communicate in the worst of times" / 21WFJM (Ohio), June 25, 2022 -- The Mahoning Valley Amateur Radio Association is an ARRL Affiliated Club.

"Hawaii amateur radio operators to participate in emergency communications drill July 16, 2022" / KITV (Hawaii), June 28, 2022 -- The Hawaii Amateur Radio Emergency Service (ARES) is an ARRL Affiliated Club.

*Arrl.org. 2022. ARRL Letter. [online] Available at: <http://www.arrl.org/arrlletter?issue=current> [Accessed 28 March 2022].*



## Silent Keys

It is with much sadness that NARS grieves at the passing of our members. This month, we remember the lives of two great individuals that touched many of us.

### Greg Erlenbusch, W5IDX

With great sadness, we note the passing of Greg Erlenbusch, W5IDX, on Wednesday, June 29, 2022. Greg was a past president of NARS and he will be missed by all who knew him.

Information on final arrangements will be posted when they become available. Our prayers and condolences to his family in this time of sorrow

### Mike Lavender, AE5MZ

With great sadness, we note the passing of Mike Lavender, AE5MZ on Friday, June 24, 2022. Mike was a past president of NARS in 1994 (call KB5WQJ), a veteran and an active member of the Tomball VFW post. Mike was also active in ARES and many other emergency communications organizations as well as a member of the Tomball Fire Corps.

Memorial services for Mikey have been scheduled for Saturday, July 16 at the Tomball VFW at 11am with full military honors. Please attend if you can. Our prayers and condolences to his family in this time of sorrow.



# Field Day with NARS

June 25-26, 2022

The Northwest Amateur Radio Society held an active Field Day event in June. At least 4 stations – Digital, SSB, CW, and Get on the Air (GOTA) – were available throughout the entire weekend. In addition, other amateurs brought their own rigs and setups to show off and operate, from FlexRadios to solar-powered stations.

## Field Day in Pictures



*Ron Matusek, WA6TQH, and Robert Ewers, K9HOU at the Klein Fire Station #3 with the NARS Field Day Banner*



*Marty Fitzgerald, W5MF, showing off his FlexRadio Maestro control console. The control console is connected via the internet to his radio at home and allows him to operate remotely, just as if he were in his shack. Also visible (behind Marty), is the CW station.*



*Three of the four club stations are visible in this photo, including the CW station (foreground), the SSB station (left background) and the GOTA station (right background).*



*Lee Glassman, WASLEE (back), and Kirc Breden (back), N5XJB, provided top-notch food throughout the weekend. We were happy to see so many of our fellow hams and friends at the Field Day activities!*



*Setup began the day on Friday evening and we had many friends there to help!*



*Help from many club members to prepare, setup, and operate during the event made it a success!*





*We had a few personal stations brought from home. This solar-powered station is a fantastic example of emergency operating without power from the grid*



## NARS Field Day Scores

Special thanks to Marty Fitzgerald, W5MF, for submitting the results for the NARS club!

### Summary

**Club/Group Name:** Northwest Amateur Radio Society

**Participants:** 52

**Power Source(s):** Generator

**Power Multiplier:** 2X

**Preliminary Total Score:** 3,136

### Bonus Points

Description	Points
100% Emergency Power	300
Public Location	100
Formal message to ARRL SM/SEC	100
Formal messages handled (10 x 10, max of 100)	100
Site visit by invited elected official	100
Site visit by invited served agency	100
Educational activity	100
Social media	100
Entry submitted via web	50
<b>Total bonus points</b>	<b>1,050</b>

### Score Summary

	CW	Digital	Phone	Total
<b>Total QSOs</b>	380	89	105	
<b>Total Points</b>	760	178	105	<b>1043</b>

**Claimed Score = QSO points & Power Multiplier) = 2,085**

## Band/Mode QSO Breakdown

Band	CW		Digital		Phone	
	QSOs	Power (W)	QSOs	Power (W)	QSOs	Power (W)
80m			5	100		
40m	105	100	36	100	29	100
20m	248	100	26	100	63	100
15m	27	100			13	100
10m			22	100		

## NARS Monthly Club Meeting

### Next Club Meeting

Our next club meeting will July 15<sup>th</sup>, 2022.

### NARS General Club Meetings

NARS holds monthly club meetings where a variety of topics are presented from a number of guests. Come learn anything from antenna design, phasing, emergency response, and more!

**Who:** All club members, friends, or anyone interested in the Amateur Radio hobby

**When:** The Third Friday of the Month at 7:30pm

**Where:** Klein Fire Station #3, [9755 Landry Blvd, Spring, TX 77379](#)  
Zoom Conference Call, Meeting ID: 2815436502, Passcode: 123456



# Amateur Radio Activities

The “Amateur Radio Activities” feature of NARS News highlights various activities related to ham radio. Each issue provides a quick overview for those who may be interested in the learning new aspects of the amateur radio hobby.

## FT8: A Great Start to Digital Communications

BY BRANDON ROGERS, K5BLR

Have you wanted to get involved with digital radio communications, but you aren’t sure how to start? FT8 is a simple digital mode that is included, alongside many others, in the [WSJT-X software package \(free to download and use\)](#). FT8 is generally used on the HF bands, can tolerate very low signal-to-noise ratio, and is simple to learn. Personally, I can be frequently found on FT8. With a small QRP radio, I have even made contacts in Japan using only 5W!

To use FT8, you must have a computer that is connected to your radio. This connection is now commonly via a USB connection, but an audio connection to your computer sound card could work as well. Once connected, your computer will send/receive the signals to your radio for transmission. If you aren’t familiar with connecting your computer to your radio, this may take a little getting used to, but I’d be happy to help anyone needing help to setup their rig to use FT8 or any mode on WSJT-X. Just send me a quick note at [k5blr@arrl.net](mailto:k5blr@arrl.net) or drop a line to the [NARS Reflector](#).

Once the computer is connected to your radio, the timing and message transmission is semi-automated by the computer software, so it is easy to jump in and start making contacts! Below you will find a few resources that may help you get started on FT8. And, as always, please feel free to reach out, if you have any questions or concerns!

### FT8 Resources

WSJT-X Homepage – Princeton University - <https://physics.princeton.edu/pulsar/k1jt/wsjsx.html>, Accessed July 6, 2022

FT8—What Is It and How Can I Get Started? – *On All Bands* - <https://www.onallbands.com/ft8-what-is-it-and-how-can-i-get-started/>, Accessed July 6, 2022

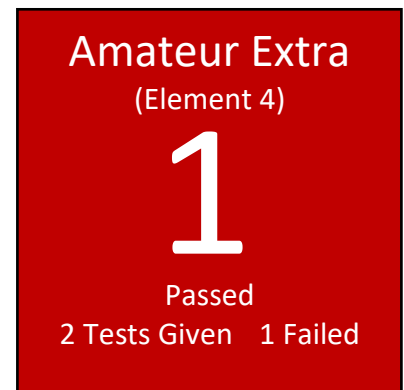
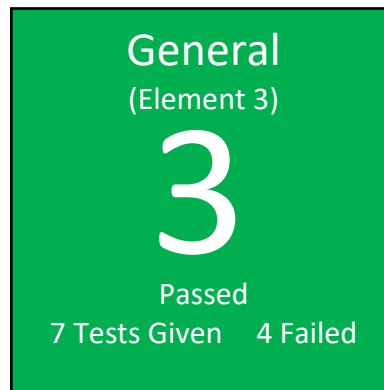
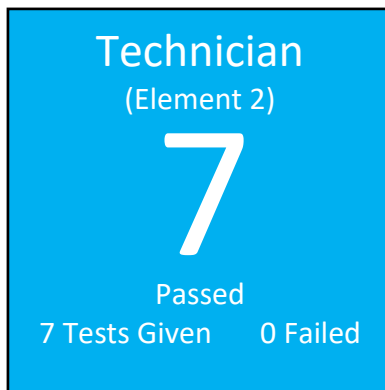
Get Started on FT8 – An Introduction for Beginners – Ham Radio DX - <https://www.youtube.com/watch?v=YyWX0i87P0o>, Accessed July 6, 2022

Getting Started with FT8 – Timothy Adams, N6DLC - <https://gotahams.com/wp-content/uploads/2021/01/Getting-started-with-FT8.pdf>, Accessed July 6, 2022

## VE Sessions and Results

### Attendees

On Saturday, June 25<sup>th</sup>, 2022, a VE Test Session was held at Klein Fire Station #3 in Spring, Texas. During the testing session 9 candidates took 16 tests.



### Congratulations!

Congratulations to the following for passing their new license exams<sup>1</sup>:

- Robert J Bridges – Technician
- Derrell C Gillmore – Technician
- Robin R Herrington – Technician
- Harold L Pringle III – Technician
- Javier Torres Jr – Technician
- Marc N Charendoff – Technician and General
- Alex L Ostrowski – Technician and General

Congratulations to the following for passing their upgrade exams:

- True B Hatch K5PTP – Upgrade to General
- Brandon L Rogers K5BLR – Upgrade to Extra

<sup>1</sup> Successful candidates will only receive their **NEW** licenses if they pay the \$35 fee to the FCC within 10 days of receipt of their notification emails. They will have to request the ARRL VEC to resubmit their paperwork if they miss the 10-day deadline. They do **NOT** have to retest.

## Thanks and Gratitude

Thanks to the Exam VE's in attendance:

- Paul R Owen N5NXS
- Marvin J Wilken KT4W
- Louis L House W3RZ
- Stephen G Protz KA5AUD
- Samuel A Labarbera N6HB
- Brian C Derx N5BA

## VE Session Guidelines

If you have a temperature or feel ill – DO NOT attend.

- Tables and chairs will be arranged to meet social distancing. DO NOT MOVE THEM.
- Wear masks if you are not fully vaccinated or feel the need to wear them.

Please send an email to either of the following if you plan on attending the test session:

Sheree Horton - [wm5n@arrl.net](mailto:wm5n@arrl.net) or [vec@w5nc.net](mailto:vec@w5nc.net)

## Next Session

Our next VE Test Session will be on July 23, 2022 at Klein Fire Station No. 3 in the main Meeting Room in the Main Building. Check-in will start at 8:30am with testing lasting from 9:00am - 11:30am. All testing activities will be completed by noon.

## New Club Members

A big welcome to all the new NARS club members!

- Lloyd Coker, KI5OYC
- Henry Walker, KG5QAQ
- Robin Herrington, KI5WCL
- James Sitton, KD5JBT

## Renewing Club Members

Thank you to all the members who renewed their NARS membership this past month:

- Robert Ewers, K9HOU
- Mike Hance, K5NZ
- Louis House, W3RZ
- Charles Davis, KB5BAM
- Edward Genest, W6ABE
- Janis Genest, KI6WFY
- Carl Kotila, WD5JRD
- Ben Gillis, K5TBN
- Joe Lasater, KG5ZOZ
- Patricia Reiff, W5TAR
- John Green, KI5QMY

## Training and Education

### NARS

NARS Member Articles and Tutorials -

<http://w5nc.net/index.php/2014-03-31-00-54-20>

### ARRL

ARRL Online Course Catalog - <http://www.arrl.org/online-course-catalog>

ARRL Emergency Communications Training -

<http://www.arrl.org/emergency-communications-training>

ARRL Webinars - <http://www.arrl.org/ARRL-Learning-Network#schedule>

### Other

Amateur Radio License Practice Tests - <https://hamexam.org/>



## Of Interest to the Club

### Houston Local Traffic Net

The Houston Local Traffic Net meets each Monday night at from 6:30 – 7:30pm on the 146.940 repeater with a PL tone of 167.9 Hz. The backup repeater for Monday night is the NARS repeater 146.660/100.0. The Thursday night edition of the Houston Local Traffic Net meets on Thursday evenings at 6:30pm on the 146.660 repeater with a PL tone of 100.0 Hz. This repeater is linked to the 70cm repeater on 444.375 also with a PL tone of 100 Hz. You can access the two linked repeaters via EchoLink node W5NC-R. The Thursday night backup repeater is 147.000 with a PL tone of 103.5 Hz. The purpose of both nets is to pass National Traffic System (NTS) radiogram messages into and out of the Houston area. The Monday edition of the Net also provides traffic handling instruction/training.

Anyone with questions about the Houston Local Traffic Nets, radiograms and or message handling can call or email Sheree Horton WM5N for more information.

### GHSN monthly Simplex Propagation Net

Beginning January 2022, the [Greater Houston Simplex Network](#) will return to its regular schedule of the 4<sup>th</sup> Thursday evening of the month, with 6:15pm for the Zoom meeting and 7:00pm for the beginning of the net. Simplex frequencies are 146.540 MHz.

I would also like to restart the relay nets for the 2nd week of each month, so I need volunteer(s) to help out as Net Control Operator. I am just swamped with developing our cool new propagation application. Please contact me if you can help with this. The script is fully developed, and can be found on [the website](#).

Contact Mark - [N5PRD@yahoo.com](mailto:N5PRD@yahoo.com)

# Calendar

## Club Activities and Events

VE Test Session – July 23<sup>th</sup>, 2022 – [Klein Fire Station #3](#) - Check-in will start at 8:30am with testing lasting from 9:00am - 11:30am. All testing activities will be completed by noon.

## Social Events

### Lunch Break – North

Take a break with fellow radio operators and enjoy a lunch together!

Locations are announced weekly on the NARS email reflector!

### Lunch Break – Medical Center

Jul 06 - Buffalo Grille  
Jul 13 - Antonio's Mexican Grill  
Jul 20 - Hu's Garden  
Jul 27 - Pappas Barbecue  
Aug 03 - Cleburne Cafeteria  
Aug 10 - Southwell's Hamburger Grill  
Aug 17 - Silver Palace Chinese Buffet

*Watch the NARS email reflector for details!*

### Saturday Breakfast

Saturdays at 7 am Broken Yolk Café, 16803 Stuebner Airline Road, Spring, TX 77379

### Monday Lunch (Taildraggers Lunch)

Mondays at 11 am; Aviator's Grill at Hooks Airport Terminal

## Did you know...

NARS has a social media presence! Thanks to Sam Labarbera, N6HB, we have a Facebook page for those who would like to follow us there. Visit the [W5NC Facebook page](#) and join! It is open to ham radio operators, so there is a short quiz to qualify new members.

We also have a Twitter feed. Follow us on [https://twitter.com/nars\\_w5nc](https://twitter.com/nars_w5nc)

## ARRL Contests & Activities

<p><b>January 2023</b>            1: Straight Key Night            7: Kids Day            7-8: RTTY Roundup            21-23: January VHF            TBD: Winter Field Day</p>	<p><b>February 2023</b>            13-17: School Club Roundup            18-19: International DX – CW</p>	<p><b>March 2023</b>            4-5: International DX– Phone</p>
<p><b>April 2023</b>            16: Rookie Roundup – Phone</p>	<p><b>May 2023</b></p>	<p><b>June 2023</b>            3-4: International Digital Contest            10-12: June VHF            17: Kids Day  <b>24-25: Field Day</b></p>
<p><b>July 2022</b>            9-10: IARU HF World Champ</p>	<p><b>August 2022</b>            6-7: 222 MHz and Up Distance            20-21: 10 GHz &amp; Up – Round 1            21: Rookie Roundup – RTTY</p>	<p><b>September 2022</b>            10-12: September VHF            17-18: 10 GHz &amp; Up - Round 2            17-18: EME - 2.3 GHz &amp; Up #1</p>
<p><b>October 2022</b>            15-16: EME - 2.3 GHz &amp; Up #2            17-21: School Club Roundup</p>	<p><b>November 2022</b>            5-7: Nov. Sweepstakes – CW            12-13: EME-50 to 1296 MHz #3            19-21: Nov. Sweeps. – Phone</p>	<p><b>December 2022</b>            2-4: 160 Meter            10-11: 10 Meter            18: Rookie Roundup–CW</p>

## Hamfests and Conventions

July 9, 2022 – [Texas City Tidelands Hamfest](#), Texas City, TX

August 20-21, 2022 – [Hunstville Hamfest](#), Hunstville, Alabama

August 26-28, 2022 – [Northeast HamXposition](#), Marlborough, Massachusetts

September 23-24, 2022 – [HRO Superfest](#), Milwaukee, Wisconsin

September 24, 2022 – [Red River Radio Amateur Hamfest](#), West Fargo, North Dakota

# NARS Club Officers and Information

## Board Officers with Voting Privileges

President: Ron Matussek, WA6TQH, 713-825-9606, [officers@w5nc.net](mailto:officers@w5nc.net)

Vice President: Paul Kent, KI5FJS, [officers@w5nc.net](mailto:officers@w5nc.net)

Treasurer: Tom Hoherd, KK5YU, 281-370-2941, [treasurer@w5nc.net](mailto:treasurer@w5nc.net)

Secretary: Brandon Rogers, K5BLR, 713-294-6630, [officers@w5nc.net](mailto:officers@w5nc.net)

Director: Rob Nixon, KD5BXZ, [officers@w5nc.net](mailto:officers@w5nc.net)

Director: Kirc Breden, N5XJB, [officers@w5nc.net](mailto:officers@w5nc.net)

## Board Non-Voting Associate Members

Administrative Secretary: Neal Naumann, N5EN

Social Media Liaison: Sam Labarbera, N6HB

Newsletter Editor: Brandon Rogers, K5BLR

Public Information Liaison: John Parmalee, K5VGM

ARRL/VEC Liaison: Sheree Horton, WM5N

Repeater Team Lead: Marty Fitzgerald, W5MF

Webmaster: Bill Buoy, N5BIA, [webmaster@w5nc.net](mailto:webmaster@w5nc.net)

Trustee: Paul Owen, N5NXS

## Club Nets

**DMR Weekly Net** – Every Tuesday at 7pm. Tune in on Talkgroup 3146211 for information on configuring codeplugs, see the DMR pages on the Club website (<http://w5nc.net>) or contact a club Elmer. Sam Labarbera, N6HB, coordinates this Net.

**The Weekly Wednesday Evening Net** - Every Wednesday at 8:00 pm. Join us on one of the W5NC repeaters: 146.660 MHz, -600kHz offset, PL 100.0 - wide area centered on downtown Houston and/or 444.375, + 5 MHz offset, PL 100 best in the Spring / Klein area. You can also join from anywhere in the world by connecting to EchoLink node W5NC-R. Neal Naumann, N5EN, coordinates this Net.

## Repeaters

For information on NARS-managed repeaters, please see the club website at <http://w5nc.net/index.php/club-info/repeaters>

### Did you know...

that NARS has an messaging service, called groups.io, that allows you to connect with a giant group of experts, club members, and resources. Get more information on our club website at <http://w5nc.net/index.php/club-info/email-reflector-groups>