



June 2021  
Our 101<sup>th</sup> Year  
Volume 59, Issue 6

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Website:  
<http://www.mvara.org/>

**The Voice Coil**  
Newsletter of the  
Mahoning Valley Amateur  
Radio Association  
Established 1919

# **The Voice Coil**

## **Prez Sez**

You can say you heard it here first--we have a place for Field Day. We will be at our usual place of the Metro Parks Farm thanks to Joe Vasco for navigating through all the changes of retirees from Metro Parks system. Now the big question is are we going to have enough people to participate to make it worthwhile?

I need your help. We need to have people to set up antennas on Friday before Field Day for a couple of hours. On Saturday we will need a few people to finish setting up and running coax from the antennas to the barn and helping with any final setup needed.

We need to have operators too. Come on out and operate for a few hours or however long that you want or can and have a great dinner or an even better breakfast. Then again, we will need some help to break everything down and pack up Sunday afternoon.

Folks this is our biggest event of the year and we need your help. We need operators even if you can only come out and operate for an hour that would be fantastic.



We will be social distancing as much as possible and when your operating there is plenty of space between operators. We will have wipes to sanitize equipment between operators. As usual I personally will be looking for anything to make this is as safe as possible for all those involved.

Let's get back into the swing of things and start the year off with a BIG BANG--fire up the radios and have some fun.

## **Next Meeting:**

**June 10, 2021**  
**7:00 pm**  
GOP Headquarters, 8381  
Market St., Boardman,  
OH 44512

### 2021 Officers

President: Scott Wilton, KE4UHC  
Vice President: Mike McCleery, K8PRR  
Secretary: Ray Bishop, W8CSM  
Treasurer: Dean DeMain, W8YSU  
Trustees:  
John DeGutis, N8LVA  
Mark Haverstock, K8MSH  
Joe Vasko, N8SEJ  
Andy Brinco, WA8ZLK

Newsletter Editor: Mark Haverstock, K8MSH

Awards Manager: Dave Fairbanks, N8NB, 330.759.6993, 4770 Logan Ave. Youngstown, OH 44505

The Mahoning Valley Amateur Radio Association, Inc, meets the second Thursday of every month. Location and time are subject to change. Dues are \$20.00 per year, \$10.00 each for additional family member. Contact Nancy, [kd8qny@zoominternet.net](mailto:kd8qny@zoominternet.net) for membership details.

The club call is **W8QLY**; equipment operated under this call includes a two meter voice repeater at 146.745 (-600, 110.9 PL). Club email: [mvara.w8qly@gmail.com](mailto:mvara.w8qly@gmail.com)

MONDAY NIGHT NET operates every Monday at 9:00. PM on 146.745 MHz.

SKYWARN NET - First Wednesday of the month at 8:30 PM on 146.745 MHz as weather warrants.

ARES NET- First and third Mondays of each month at 8:30 PM on 146.745 MHz; prior to the Monday Night Net.

## Using DMR

After several years of new radio introductions and a lot of debate among Hams, DMR radio has pretty well found its place in the arsenal of Amateur Radio tools. Many of us have purchased DMR radios but never really became comfortable with them and they sit in the corner.



For the June meeting, our program is going to help you pull that radio out of the corner and maybe start using it. Ed KE8NSW and Rob KE8OKO will be doing a presentation focused on using DMR. This is not a class on writing codeplugs or jumping into the many settings in DMR. Instead they will focus on getting on the air and will demonstrate using the radios.

Among the topics they will be discussing will be using the DMR repeater in New Springfield. They will also look at using Hot-Spots and have some interesting twists such as using a Hot-Spot while mobile. They will also look at the pros and cons of DMR Digital vs our trusty Analog radios.

While primarily focused on DMR, there will also be information on DMR vs DSTAR vs Fusion. Not so much on which is better but what features each brings to the table.

The meeting will be June 10 at the GOP meeting room (Thanks Mark!) at 7:00pm. Also streaming on Zoom. We hope you will join us.



# WE WANT YOU!

## FOR FIELD DAY 2021

**License Refresher Answers:** E2D01 (B) E2D02 (D)  
G5C01 (C) G5C02 (A)

## Current Activities

**June 10:** Monthly Meeting 7pm, GOP Headquarters, 8381 Market St, Boardman, OH 44512. Program: A virtual tour of the Asheville Radio Museum.

**July 7, 2021:** Tentative date for VE testing session, 7:00 pm at GOP HQ. Update emails will be sent to confirm the details. Contact Mark, K8MSH to sign up.

### Contact Us:

Email: [mvara.W8QLY@gmail.com](mailto:mvara.W8QLY@gmail.com) Snail-mail: MVARA, P.O. Box 14141, Poland, OH 44514

Meeting ideas/ suggestions? Contact Dave, KD8NZF, [KD8NZF@zoominternet.net](mailto:KD8NZF@zoominternet.net)

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## Hamfest Calendar (Note that all are subject to change--check before you go)

**07/10/2021 - Mansfield Mid-Summer Trunkfest** - Location: Richland County Fairgrounds - 750 N. Home Road - MANSFIELD, OH 44901 - Website: <http://WWW.IARC.CLUB> - Sponsor: Intercity Amateur Radio Club - Public Contact: Danny Bailey , W8DLB - 70 Euclid Street Shiloh, OH 44878 - Phone: 419-541-8557 - Email: W8DLB113@GMAIL.COM

**07/17/2021 - NOARSFEST** - Location: Elyria, OH Sponsor: Northern Ohio Amateur Radio Society Website: <http://noars.net> .

**08/07/2021 - 2021 Columbus Hamfest:** Location: Grove City, OH Sponsor: Aladdin Shrine Audio Unit Website: <http://columbushamfest.com> .

**09/26/2021 - Cleveland Hamfest** -Location: Cuyahoga County Fairgrounds - 164 Eastland Road - Berea, OH 44017 - Website: <http://www.hac.org> - Public Contact: Mathew Nickoson, KC8NZJ - PO BOX 201173 Shaker Heights, OH 44120 - Phone: 8002533378 (800-CLE-FEST) - Email: [kc8nzj@hac.org](mailto:kc8nzj@hac.org)

## Swap and Shop

- MFJ-105B 24 hour clock black face, white numbers, gold hands \$15
- Perixx compact PC USB keyboard good for limited space \$5
- SR compact PC USB keyboard good for limited space \$5
- Ten Tec 6 meter transverter – converts 20m transceiver to 8 watt 6 meters signal and receives on 6 meters \$100
- Heathkit HM-102 Watt/SWR meter 200/2000 watt ranges with SWR needs love \$30
- MicroHam Station Master #00523 – new in box with cables etc. bought, never used \$250

Contact Frank – WB8YHD – [younghotdog@arrl.net](mailto:younghotdog@arrl.net)

# HAM HUMOR: NEW FIELD DAY SCORE MULTIPLIERS AND BONUS POINTS ANNOUNCED



By [WBØRUR](#), on the scene

**NEWINGSTEAD, Vt.** — In a last minute decision designed to encourage a wider variety of amateur radio operating styles and practices, the National Radio Retransmission Legion (NRRL) has announced a new set of “multipliers and bonuses” for Field Day.

“We believe these increased scoring opportunities will allow a wider and more diverse group of operators to participate in Field Day,” says Dr. Johnson Longville, Director of NRRL Contests and Promotional Outreach.

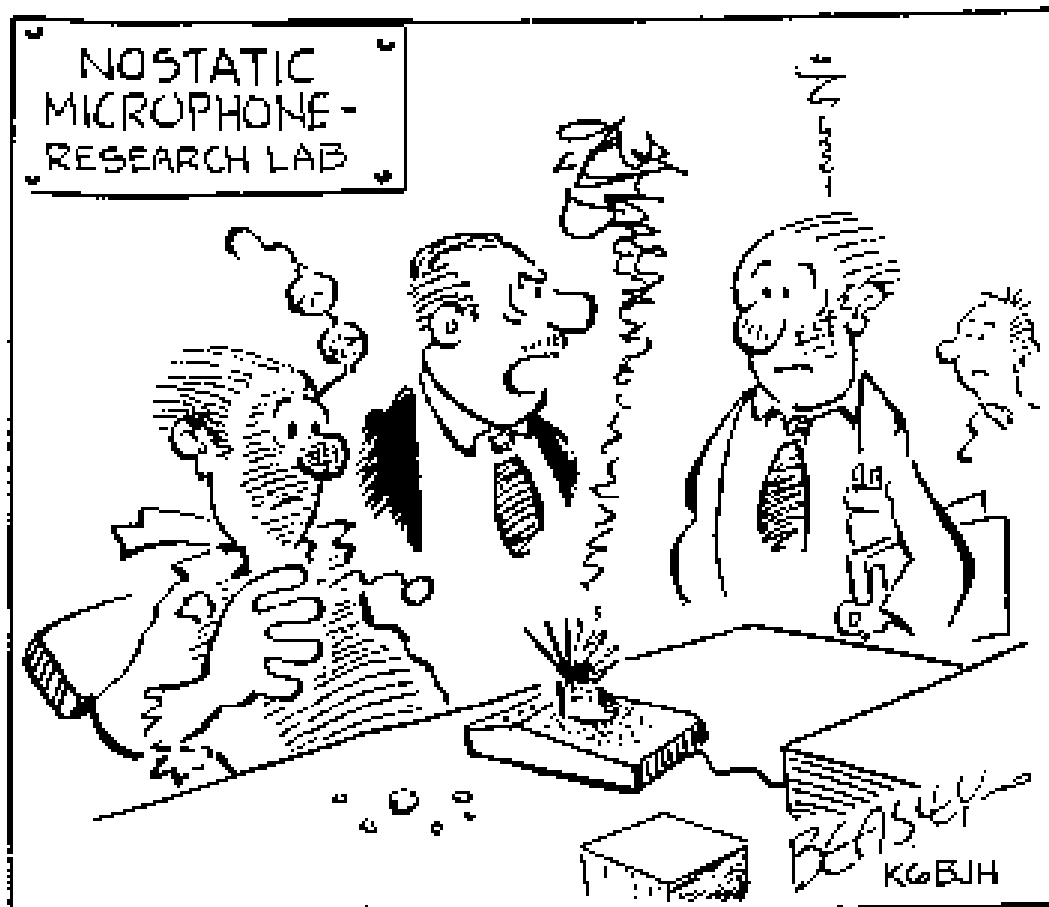
“While some of these may seem ever so slightly out of the norm, the League believes it is important to encourage participation through a variety of means. Recently, we implemented “non petroleum” power bonus, satellite QSO bonuses and several others. This is just a continuation of that on-going review and analysis.”

The new multipliers and bonus points are listed in the table below, along with common nicknames.

NICKNAME	POINTS	DETAILS
<b>OSCAR MEYER Bonus</b>	100 points	Operators eat nothing but bologna sandwiches for the duration of the contest
<b>HOSTAGE Multiplier</b>	2x score multiplier	All QSOs are made while blindfolded
<b>FRUIT OF THE LOOM Bonus</b>	150 points	Primary operator wears nothing but t-shirt and boxers
<b>I JUST LEARNED TO TYPE Bonus</b>	50 points	Logging operator uses one finger on the computer keyboard
<b>NOW WE'RE COOKING Multiplier</b>	2x score multiplier	CW Operators must roast a small chicken on the charcoal grill while making 10 QSOs

<b>STAY OFF MY YARD Bonus</b>	250 points	Yell at the neighbor kids while making a SSB transmission
<b>THE AUSTRALIAN CRAWL Multiplier</b>	4x score multiplier	All on-air operators must simultaneously drink a pint of Foster's
<b>MONKEY SEE, MONKEY DO Bonus</b>	100 points	One operator per transmitter must climb a tree and hold onto the station's feedline for 2.5 hrs
<b>THE DIGITAL INSPECTION, IF YOU KNOW WHAT I MEAN Multiplier</b>	3x score multiplier	PSK31 /JT65 operators must live type all QSOs – NO MACROS
<b>AND IT'S DEEP TOO! Bonus</b>	50 points	Teach a class on building a camp-site latrine

### hamhijinks.com



OBVIOUSLY, MOODY, YOU DON'T HAVE THE PROPER CONCEPT OF A BOOM MIKE!



# Long Term Trends?

Brian, N9ADG, *ARRL Contest Update*

There was a recent article on Tom's Hardware website [about a father's prediction 9 years ago of then-current technologies that he thought his son would never use.](#)

Unlike many predictive articles, the author actually came back to grade his foresight.



It turns out his 2012 predictions were just slightly more wrong than right, with 15% of his predictions still up for grabs. His predictions included a mix of "raw" technologies, and the human uses of them. For example, whether we would still have wired internet vs Wi-Fi, whether movie theaters would still be a thing, and whether we'd still need glasses to consume content in 3D were all on the list.

Thinking about our little contesting corner of the greater amateur radio hobby, I'm not sure anyone from 2012 would have predicted that over the course of 4 years, a new digital mode would appear that would be responsible for over 60% of the contacts on the amateur bands, with the combined number of SSB and CW contacts not even making 30% of the total. Amateur radio and radio contesting don't, in general, either adopt or discard technologies or practices at the same pace as the consumer electronics sector. Change requires us to get "out of our comfort zones" to even try something new. However, we've mostly been compelled to try all sorts of new things over the last year as a result of the pandemic. Considering some of the adaptations that have occurred, I'd like to hope that a few have staying power

**A general "leveling up" of the contesting population in the use of video communication tools to spread contesting information, reaching more people than ever before:** Established programs like Contest University were able to increase scale by an order of magnitude. More local clubs were able to host established leaders for their local programs. More high-quality content is available for asynchronous viewing than ever before. Re-engagement of underserved radio club members with new ways to participate that can accommodate inability to attend in person. For communicators, hams have been behind in this area for quite some time.

**A rethinking of contesting categories to accommodate virtual teams:** The "dispersed" multi-op category was conceived as a way to allow multi-ops to occur with social distancing, but has provided some other benefits as well. Previously non-multi operators trying something new. All operators are likely investing time and resources in their own stations. Some argue that more multi-ops mean fewer stations to work. My opinion is that more multi-ops translate to more band slot opportunities, and some hams that wouldn't even be active because of limited time availability will get on the air as part of a multi.

**Remote operation is now a given:** Remote operation may be the only way to truly escape the plague of modern RFI. Inefficiencies due to travel may be reduced, so more time can be spent operating. We've already seen groups of younger amateurs use dream multi-multi stations remotely to rack up big scores, and make some lifetime memories.

**Contests are now nearly 24x7:** There's an opportunity to do something at least mildly competitive nearly every day of the week, and at all hours. Yet for all of the popularity of FTx modes, it seems like there isn't (yet) a corresponding number of contests for this mode.

**Contests are easy to start and maintain:** Whether it's to add a favorite category that got eliminated, to spur inter-club competition, or just because, it's easier than ever to do a "contest within a contest" or

"contest on top of an additional contest." The North American Collegiate Championship, Unassisted Challenge, WRTC, and State QSO Party Challenge are examples of this, as are various inter-club rivalries.

Now that there may be light at the end of the pandemic tunnel, people are starting to think about what "new normal" practices for the pandemic should continue on as normal afterwards. What have you learned from COVID contesting that you want to keep?

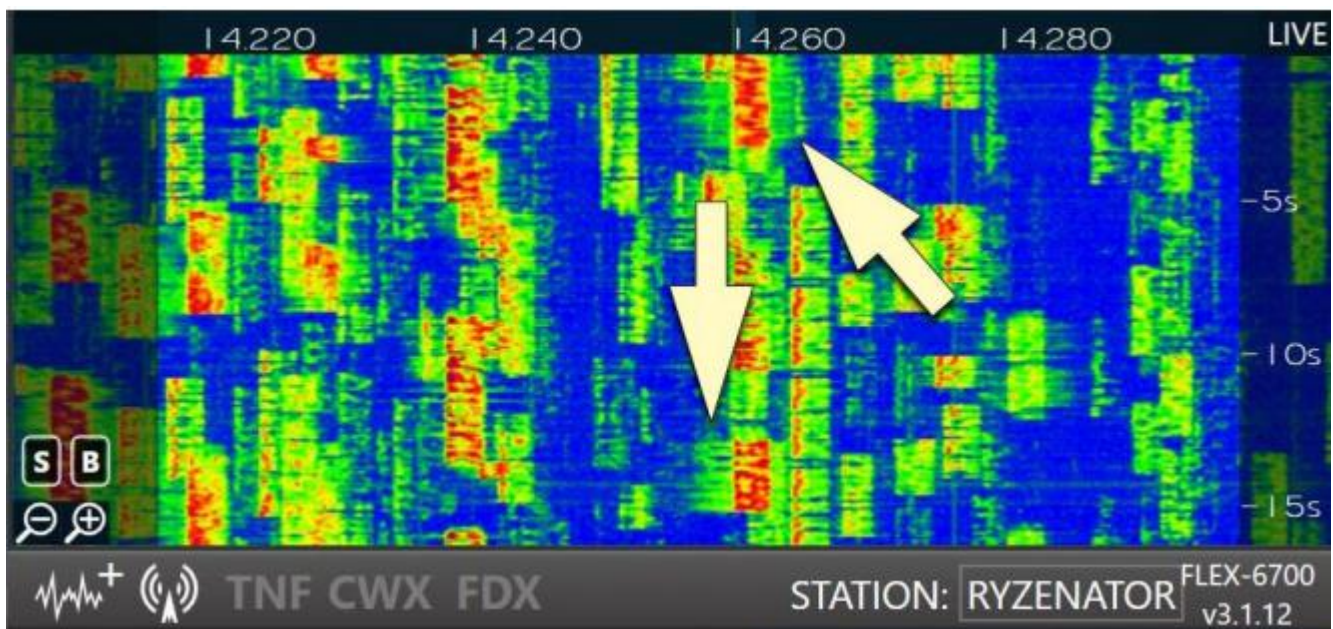
That's all for this time. Remember to send contesting related stories, book reviews, tips, techniques, press releases, , errata, schematics, club information, pictures, stories, blog links, and predictions to [contest-update@arrl.org](mailto:contest-update@arrl.org)

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## Splatter Matters

It's interference caused by a signal with spectral components outside of normal and/or accepted boundaries for an emission type. Splatter can be caused by distortion when an amplifier is driven outside of its linear range, when the input signal to an amplifier is itself overly broad, or when one stage of the transmit signal chain is overloaded. It is poor operating practice, and against the rules for most contests for stations to purposefully use splatter as a means to keep adjacent frequencies clear during contests.

Splatter: In this picture, the arrows point out energy being emitted over approximately 9 kHz of spectrum. This is more than 3x what is necessary for an SSB signal.



--From May 2021 PCARS *Radiogram*

# Amateur License Refresher

Dave, KD8NZF



It's probably been a while since you took your Amateur License exam. Here are a few sample questions from the current question pools just to keep those synapses firing.

## Extra Pool

E2D01

Which of the following digital modes is designed for meteor scatter communications?

- A. WSPR
- B. MSK144
- C. Hellschreiber
- D. APRS

E2D02

Which of the following is a good technique for making meteor scatter contacts?

- A. 15-second timed transmission sequences with stations alternating based on location
- B. Use of special digital modes
- C. Short transmissions with rapidly repeated call signs and signal reports
- D. All these choices are correct

## General Pool

G5C01

What causes a voltage to appear across the secondary winding of a transformer when an AC voltage source is connected across its primary winding?

- A. Capacitive coupling
- B. Displacement current coupling
- C. Mutual inductance
- D. Mutual capacitance

G5C02

What happens if a signal is applied to the secondary winding of a 4:1 voltage step-down transformer instead of the primary winding?

- A. The output voltage is multiplied by 4
- B. The output voltage is divided by 4
- C. Additional resistance must be added in series with the primary to prevent overload
- D. Additional resistance must be added in parallel with the secondary to prevent overload

Answers pg. 2



# What amateur radio clubs and services are worth paying for?



By Dan Romanchik, KB6NU

On the amateur radio subreddit (<https://www.reddit.com/r/amateurradio/>), someone asked:

I have always wondered what subscriptions/memberships are worth having? Is ARRL worth the \$50/year? What about QRZ \$30/year for XML data? Is there something that is a must have ?

Several replied in the affirmative about the ARRL:

- I joined the ARRL so they can lobby for amateur radio when needed.

- I think ARRL is worth it.

- If you care about things like DXCC awards, and are in the US, you will need to be an ARRL member. Now that QEX, The National Contest Journal, On the Air and QST digital are all member benefits, I would say you get enough for your \$50 to make it worthwhile

Of course, there were differing opinions:

- They [expletive deleted] up the Parity Act so badly that it's almost hilarious. ARRL will never see a dime from me.

There were a lot of comments about subscribing to QRZ.Com:

- I spend a bunch of time on QRZ every day, and I log every contact in their logbook, and then send it to LoTW, so the XML is well worth it. Also, will all the time on the forums and the articles I spend I enjoy not having the ads, and supporting what I believe is a fantastic website.

- QRZ is worth it so you can integrate with logging software or if you want upload your ADIF file from WSJT-X, if you do FT8, that sort of thing.

- I've never felt the need for a QRZ subscription. Only when I was the noobest of noobs and couldn't tell the difference between ON4 and OH2 did I ever run up the 100 lookup a day limit. Now with...alternate... lookup services even hitting the limit might not matter for most hams.

There were some comments about supporting local groups:

- You should definitely seek out your local club(s) and join whatever ones seem like a good fit to you. You can learn a lot from a good club, and having a couple of hands to help with antennas/ loan equipment is a fantastic benefit.

- I donated to the repeater I use the most.

As for me, I am a member of the ARRL, and at various times, have been a member of:

- AMSAT
- Amateur Radio Lighthouse Society (ARLHS)
- TAPR
- QRP Amateur Radio Club Intl. (QRP-ARCI)
- Quarter Century Wireless Assn. (QCWA)
- Northern California DX Foundation (NCDXF)
- Michigan QRP Club
- ARROW – the amateur radio club here in Ann Arbor

My membership is current in AMSAT, ARLHS, QRP-ARCI, MI QRP Club, and ARROW.

I would encourage you to become an ARRL member and a member of other groups that serve your particular interest in amateur radio. I like operating from lighthouses, so I'm a member of ARLHS. If you're a big DXer, join NCDXF. If you're a QRPer, then QRP-ARCI is the group for you. Becoming a member really will help you have more fun with amateur radio.

You probably belong to your local club if you're reading this column, but I'm curious about what other amateur radio subscriptions you have or which services you pay for. Feel free to email me and let me know which groups you support and why you do so.

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*Dan Romanchik, KB6NU, is the author of the KB6NU amateur radio blog ([KB6NU.Com](http://KB6NU.Com)), the "No Nonsense" amateur radio license study guides (<https://KB6NU.Com/study-guides/>), and often appears on the ICQPodcast (<https://icqpodcast.com>). When he's not paying his dues, he teaches online ham radio classes and operates CW on the low end of the HF bands.*



## **Contest and Special Event Operating Information**

Dave Fairbanks N8NB

Data below as well as more information courtesy of the following website:

<http://www.hornucopia.com/contestcal/index.html>.

### **June 2021**

+ Worldwide Sideband Activity Contest	0100Z-0159Z, Jun 1
+ QCX Challenge	0300Z-0400Z, Jun 1
+ RTTYOPS Weeksprint	1700Z-1900Z, Jun 1
+ Phone Weekly Test - Fray	0230Z-0300Z, Jun 2
+ CWops Mini-CWT Test	1300Z-1400Z, Jun 2
+ VHF-UHF FT8 Activity Contest	1700Z-2000Z, Jun 2
+ CWops Mini-CWT Test	1900Z-2000Z, Jun 2
+ Walk for the Bacon QRP Contest	0000Z-0100Z, Jun 3 and 0200Z-0300Z, Jun 4
+ CWops Mini-CWT Test	0300Z-0400Z, Jun 3
+ RTTYOPS Weeksprint	1700Z-1900Z, Jun 3
+ NRAU 10m Activity Contest	1700Z-1800Z, Jun 3 (CW) and 1800Z-1900Z, Jun 3 (SSB) and 1900Z-2000Z, Jun 3 (FM) and 2000Z-2100Z, Jun 3 (Dig)
+ EACW Meeting	1900Z-2000Z, Jun 3
+ SKCC Sprint Europe	1900Z-2100Z, Jun 3
+ PODXS 070 Club Three Day Weekend Contest	0000Z, Jun 4 to 2359Z, Jun 6
+ NCCC RTTY Sprint	0145Z-0215Z, Jun 4
+ NCCC Sprint	0230Z-0300Z, Jun 4
+ HA3NS Sprint Memorial Contest	1900Z-1929Z, Jun 4 (40m) and 1930Z-1959Z, Jun 4 (80m)
+ K1USN Slow Speed Test	2000Z-2100Z, Jun 4
+ 10-10 Int. Open Season PSK Contest	0000Z, Jun 5 to 2400Z, Jun 6
+ PVRC Reunion	0000Z-0200Z, Jun 5 and 0000Z-0200Z, Jun 6
+ DigiFest	0400Z-1200Z, Jun 5 and 2000Z, Jun 5 to 0400Z, Jun 6 and 1200Z-2000Z, Jun 6
+ KANHAM Contest	0600Z, Jun 5 to 0600Z, Jun 6
+ Wake-Up! QRP Sprint	0600Z-0629Z, Jun 5 and 0630Z-0659Z, Jun 5 and 0700Z-0729Z, Jun 5 and 0730Z-0800Z, Jun 5
+ Tisza Cup CW Contest	1200Z, Jun 5 to 1159Z, Jun 6
+ UKSMG Summer Contest	1300Z, Jun 5 to 1300Z, Jun 6
+ Kentucky QSO Party	1400Z, Jun 5 to 0200Z, Jun 6
+ RSGB National Field Day	1500Z, Jun 5 to 1500Z, Jun 6
+ FULL-LRB HF Contest	1800Z, Jun 5 to 1200Z, Jun 6
+ Cookie Crumble QRP Contest	1700Z-2200Z, Jun 6
+ K1USN Slow Speed Test	0000Z-0100Z, Jun 7
+ RSGB 80m Club Championship, Data	1900Z-2030Z, Jun 7
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Jun 8
+ ARS Spartan Sprint	0100Z-0300Z, Jun 8

+ RTTYOPS Weeksprint	1700Z-1900Z, Jun 8
+ NAQCC CW Sprint	0030Z-0230Z, Jun 9
+ Phone Weekly Test - Fray	0230Z-0300Z, Jun 9
+ CWops Mini-CWT Test	1300Z-1400Z, Jun 9
+ VHF-UHF FT8 Activity Contest	1700Z-2000Z, Jun 9
+ CWops Mini-CWT Test	1900Z-2000Z, Jun 9
+ CWops Mini-CWT Test	0300Z-0400Z, Jun 10
+ RTTYOPS Weeksprint	1700Z-1900Z, Jun 10
+ EACW Meeting	1900Z-2000Z, Jun 10
+ NCCC RTTY Sprint	0145Z-0215Z, Jun 11
+ NCCC Sprint	0230Z-0300Z, Jun 11
+ K1USN Slow Speed Test	2000Z-2100Z, Jun 11
+ VK Shires Contest	0000Z-2359Z, Jun 12
+ DRCG WW RTTY Contest	0000Z-0759Z, Jun 12 and 1600Z-2359Z, Jun 12 and 0800Z-1559Z, Jun 13
+ SMIRK Contest	0000Z, Jun 12 to 2400Z, Jun 13
+ Asia-Pacific Sprint, SSB	1100Z-1300Z, Jun 12
+ Portugal Day Contest	1200Z, Jun 12 to 1200Z, Jun 13
+ SKCC Weekend Sprintathon	1200Z, Jun 12 to 2400Z, Jun 13
+ AGCW VHF/UHF Contest	1400Z-1700Z, Jun 12 (144) and 1700Z-1800Z, Jun 12 (432)
+ GACW WWSA CW DX Contest	1500Z, Jun 12 to 1500Z, Jun 13
+ REF DDFM 6m Contest	1600Z, Jun 12 to 1600Z, Jun 13
+ ARRL June VHF Contest	1800Z, Jun 12 to 0259Z, Jun 14
+ K1USN Slow Speed Test	0000Z-0100Z, Jun 14
+ 4 States QRP Group Second Sunday Sprint	0000Z-0200Z, Jun 14
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Jun 15
+ RTTYOPS Weeksprint	1700Z-1900Z, Jun 15
+ NAQCC CW Sprint	0030Z-0230Z, Jun 16
+ Phone Weekly Test - Fray	0230Z-0300Z, Jun 16
+ SARL Youth Sprint	1200Z-1400Z, Jun 16
+ CWops Mini-CWT Test	1300Z-1400Z, Jun 16
+ CWops Mini-CWT Test	1900Z-2000Z, Jun 16
+ RSGB 80m Club Championship, CW	1900Z-2030Z, Jun 16
+ CWops Mini-CWT Test	0300Z-0400Z, Jun 17
+ RTTYOPS Weeksprint	1700Z-1900Z, Jun 17
+ EACW Meeting	1900Z-2000Z, Jun 17
+ NCCC RTTY Sprint	0145Z-0215Z, Jun 18
+ NCCC Sprint	0230Z-0300Z, Jun 18
+ K1USN Slow Speed Test	2000Z-2100Z, Jun 18
+ All Asian DX Contest, CW	0000Z, Jun 19 to 2400Z, Jun 20
+ Battle of Carabobo International Contest	0000Z-2400Z, Jun 19
+ Ukrainian DX Classic RTTY Contest	1200Z, Jun 19 to 1159Z, Jun 20
+ IARU Region 1 50/70 MHz Contest	1400Z, Jun 19 to 1400Z, Jun 20
+ Stew Perry Topband Challenge	1500Z, Jun 19 to 1500Z, Jun 20
+ West Virginia QSO Party	1600Z, Jun 19 to 0400Z, Jun 20
+ ARRL Kids Day	1800Z-2359Z, Jun 19
+ Feld Hell Sprint	1800Z-1959Z, Jun 19
+ WAB 50 MHz Phone	0800Z-1400Z, Jun 20
+ Run for the Bacon QRP Contest	2300Z, Jun 20 to 0100Z, Jun 21



+ K1USN Slow Speed Test	0000Z-0100Z, Jun 21
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Jun 22
+ RTTYOPS Weeksprint	1700Z-1900Z, Jun 22
+ SKCC Sprint	0000Z-0200Z, Jun 23
+ Phone Weekly Test - Fray	0230Z-0300Z, Jun 23
+ CWops Mini-CWT Test	1300Z-1400Z, Jun 23
+ CWops Mini-CWT Test	1900Z-2000Z, Jun 23
+ CWops Mini-CWT Test	0300Z-0400Z, Jun 24
+ RTTYOPS Weeksprint	1700Z-1900Z, Jun 24
+ EACW Meeting	1900Z-2000Z, Jun 24
+ RSGB 80m Club Championship, SSB	1900Z-2030Z, Jun 24
+ NCCC RTTY Sprint	0145Z-0215Z, Jun 25
+ NCCC Sprint	0230Z-0300Z, Jun 25
+ K1USN Slow Speed Test	2000Z-2100Z, Jun 25
+ UFT QRP Contest	0600Z-0900Z, Jun 26 and 1400Z-1700Z, Jun 26
+ His Maj. King of Spain Contest, SSB	1200Z, Jun 26 to 1200Z, Jun 27
+ Ukrainian DX DIGI Contest	1200Z, Jun 26 to 1200Z, Jun 27
+ ARRL Field Day	1800Z, Jun 26 to 2100Z, Jun 27
+ K1USN Slow Speed Test	0000Z-0100Z, Jun 28
+ QCX Challenge	1300Z-1400Z, Jun 28
+ RSGB FT4 Contest Series	1900Z-2030Z, Jun 28
+ QCX Challenge	1900Z-2000Z, Jun 28
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Jun 29
+ QCX Challenge	0300Z-0400Z, Jun 29
+ RTTYOPS Weeksprint	1700Z-1900Z, Jun 29
+ Phone Weekly Test - Fray	0230Z-0300Z, Jun 30
+ CWops Mini-CWT Test	1300Z-1400Z, Jun 30
+ CWops Mini-CWT Test	1900Z-2000Z, Jun 30

## **DX Operating Information**

**Dave Fairbanks N8NB**

Credit for the below information and further information on these operations and others can be found at the following website: <http://www.ng3k.com>

June						
2021 Jun03	2021 Jun14	<b>British Virgin Is</b>	<b>VP2V</b>	LoTW	<a href="#">TDDX</a> 20210517	By NC3Z as VP2V/NC3Z
2021 Jun08	2021 Jul10	<b>Greenland</b>	<b>OX3LX</b> <small>NEW</small>	LoTW	<a href="#">TDDX</a> 20210521	By OZ1DJJ fm IOTA NA-018, NA-220, NA151; HF + 6 4m; spare time operation; QSL also OK via OZ0J and Club Log OQRS
2021 Jun10	2021 Jun12	<b>Ogasawara</b>	<a href="#">JD1BLY</a>	J15RPT	J15RPT 20210422	By J15RPT fm Chichijima I (IOTA AS-031); 40-6m; FT8 CW SSB; QSL OK B/d; COVID permitting
2021 Jun30	2021 Jul03	<b>Alaska</b>	<a href="#">KL7RRC</a>	N7RO	<a href="#">TDDX</a> 20210420	By N7QT W8HC NL8F N3QQ fm Adak I (IOTA NA-039); 40-6m; CW SSB FT8 (f/h)
2021 Jun30	2021 Jul04	<b>Liechtenstein</b>	<b>HB0</b>	EB7DX	<a href="#">TDDX</a> 20210518	By HB9HBY as HB0/HB9HBY fm Steg; FT8 CW SSB; 160-10m; G5RV

# Is it a Contest? Emergency Communications Exercise? Exactly What is Field Day?

According to the ARRL, the national association for amateur radio <http://www.arrl.org> ARRL Field Day is the single most popular on-the-air event held annually in the US and Canada. On the fourth weekend of June of each year, thousands of radio amateurs gather with their clubs, groups or simply with friends to operate from remote locations.

Field Day is a picnic, a campout, practice for emergencies, an informal contest and, most of all, FUN!

It is a time where many aspects of Amateur Radio come together to highlight our many roles. While some will treat it as a contest, other groups use the opportunity to practice their emergency response capabilities. It is an excellent opportunity to demonstrate Amateur Radio to the organizations that Amateur Radio might serve in an emergency, as well as the general public. For many clubs, ARRL Field Day is one of the highlights of their annual calendar.

The contest part is simply to contact as many other stations as possible and to learn to operate our radio gear in abnormal situations and less than optimal conditions. We use these same skills when we help with events such as marathons and bike-a-thons; fund-raisers such as walk-a-thons; celebrations such as parades; and exhibits at fairs, malls and museums — these are all large, preplanned, non-emergency activities.

But despite the development of very complex, modern communications systems — or maybe because they ARE so complex — ham radio has been called into action again and again to provide communications in crises when it really matters. Amateur Radio people (also called “hams”) are well known for our communications support in real disaster and post-disaster situations. --ARRL



## *The Last Word*

*The real contest is always between what you've done and what you're capable of doing. You measure yourself against yourself and nobody else. Geoff Gaberino.*



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Submissions must be received **no later than the 24th** of the month prior to the month of issue, unless otherwise specified. **Submissions should be in MS Word format or ASCII text—no PDF, please!** Material received after the deadline will be used in the next month's VOICE COIL if it is still current and /or newsworthy.

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