

# NAQCC NEWS



ISSUE 281 • NOVEMBER 2021



## KEY CLICKS

### • IN THIS ISSUE

The Prez Sez... our N3A 17th Anniversary Sprint is history, but there's more fun to come; Prize winners, yeah!; You can still win; Member Polls; Rich KC3MIO runs the numbers in the 17th Anniversary Report; QSO Party Fun; A bug-proof night light; Scout Jamboree on the Air; Earn your stripes in the month's Challenge; Net report; Three great chapter outings; and more

### • N3A VS THE BANDS!

We sure picked a week for a special event! Our volunteer N3A ops made lots of noise, but so did the bands. That's OK—we don't do QRP because it's easy. Thanks Rich KC3MIO and all the folks who worked so hard to put N3A on the air.

### • UPDATE YOUR MEMBER INFO

Any time you change your QTH, email, or callsign, you can update your member info with a simple online form. First, check your information at <http://naqcc.info/memberlist.php> to make sure the rest of the fields are correct and then fill out the member update form here: [http://naqcc.info/member\\_updates.html](http://naqcc.info/member_updates.html)

### • AN NAQCC QSO PARTY CHALLENGE

On page 8 Don VE3DQN looks back on a year of participating in the annual QSO Party Challenge. He found it was a great way to freshen up his operating and grab QSOs for his other goals. He'd love to hear your experiences and wonders who's interested in a bit of extra QRP challenge next year.

### • SEND IN YOUR ARTICLE

Please take a few minutes to tell us about your latest excursion, that thing you built, your favorite rig, or something funny. As long as it relates to QRP CW. Send it to Paul K2DMX: [kd2mx@arrl.net](mailto:kd2mx@arrl.net)

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# THE PREZ SEZ...

Greetings NAQCC Members!  
As I write this it's Halloween  
Day.....soooo.....Happy Halloween!

## OUR NAQCC 17TH ANNIVERSARY CELEBRATION SPRINT IS NOW HISTORY!

Our 17th Anniversary Sprint had a total of 103 submitted logs containing 134 participants - 1,035 QSOs in 36 States and NB/ON, and Cuba. A slight increase over last year's event of 97 logs and 142 participants. Nothing to brag about, but an increase nonetheless!

Operating conditions however, were in a few words, "not so good." Just about every Soapbox comment included some reference to the poor conditions. But, still a great number of "good time," "happy to work" and of course....."FUN" comments were present.

## PRIZES AWARDED... AND UPCOMING

The Sprint prize drawings (for both tiers) occurred on Saturday, October 23rd, 2021 after all of the entries were cross-checked and the participation points updated. Congrats to our Newsletter Editor Brent WT4U for snagging the Grand Prize, an MTR-4B V2 Mountain Topper Radio valued at \$350 and donated by LNR.

The **October Anniversary Challenge prize drawing** will be held on Saturday, November 13, 2021 after the submission date passes on November 10th.

And what Prizes we had this year! Huge thanks to our donors for their generous donations of various products: LNR Radio, MFJ Enterprises, QRPKits (Pacific Antenna), 4SQRP, Astrid's Embroidery, KB3IFH QSLs, the Green Swamp QRP Group, and Gifts4Hams. Look for the Anniversary Prize List in this Newsletter.

## PLEASE THANK OUR DONORS

And special thanks to Rich KC3MIO for taking coordinating the N3A operation.

## NOVEMBER NAQCC ACTIVITIES:

- Monthly Sprint – Thursday, November 18, 2021 - 0130-0330Z - <http://naqcc.info/sprint/sprint202111.html> (That's the evening of Wednesday, November 17th for us here in North America!).
- Monthly Challenge - October Anniversary Challenge 2021 – The Invasion Stripes Challenge - <http://naqcc.info/challenges/challenges202111.html>
- Weekly Nets - [http://naqcc.info/cw\\_nets.html](http://naqcc.info/cw_nets.html)

**Big Reminder: Time change occurs this first week of November on the 7th at 0200 hours!** The Sprint times for November have been adjusted accordingly.

Wow, the year has certainly flown by.....my favorite holiday is quickly approaching, so my best wishes for a safe and wonderful Thanksgiving Holiday - and we all have something to be thankful for.

Hope to see you in the Sprint! Stay safe, stay healthy, KEEP YER DISTANCE, WASH YER HANDS, and get radio-active!

And.....Happy Halloween!

**72/73!**  
**Steve Szabo WB4OMM #5913**  
**NAQCC President**



**A little bit of QRP on a wire goes a long way!**

# PRIZE WINNERS!

## 1ST TIER - 17TH ANNIVERSARY SPRINT PRIZES

- 1st MTR-4B V2 Mountain Topper Radio (\$350) - WINNER is WT4U
- 2nd AME Porta-Paddle II w/base (\$125) WINNER is AK3X
- 3rd MFJ-566M Micro Key (\$40) DX Engineering \$50 Gift Cert WINNER is W1BLU

## 2ND TIER - 17TH ANNIVERSARY SPRINT PRIZES

- 4th MFJ-566M Micro Key (\$40) 4SQR \$50 Gift Cert - WINNER is KQ1P
- 5th MFJ-566M Micro Key (\$40) DX Engineering \$50 Gift Cert - WINNER is WA1GWH
- 6th MFJ-566M Micro Key (\$40) 4SQR \$50 Gift Cert - WINNER is W2SH
- 7th ARRL Gift Certificate (\$50), NAQCC Coffee Cup (\$15) - WINNER is NF8M
- 8th MFJ-566M Micro Key (\$40 each) QRP Guys End Fed Antenna (\$20) - WINNER is NF5U
- 9th 100 QSLs or 250 Eyeball Cards KB3IFH Gift Cert (\$60) - WINNER is VE3DQN
- 10th QRP Kits/Pacific Antenna Kits (\$40), NAQCC Coffee Cup (\$15) - WINNER is KA8VZB

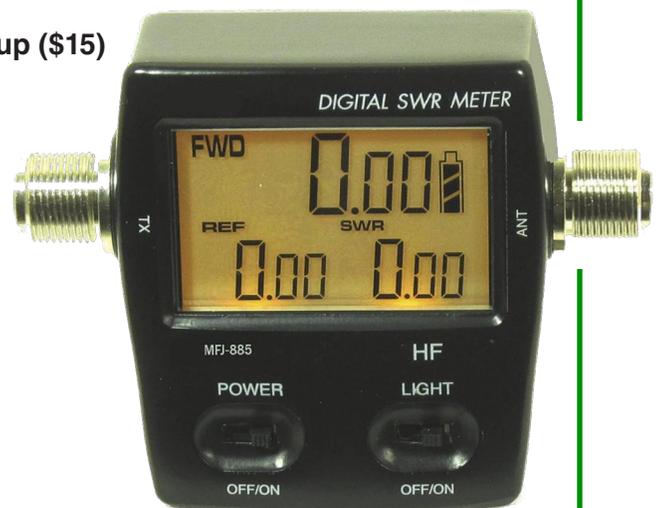
BE SURE TO CHECK OUT THE LINKS TO OUR GENEROUS PRIZE SPONSORS ON PAGE 30

## YOU STILL HAVE TIME TO WIN

Over \$300 in prizes will be awarded on November 12 to participants in the October Anniversary "Diner Talk" Challenge. Completing just one of the phrases from your October log is enough to qualify you for the drawing (*See Rules for details*). The deadline for submissions for our Diner Talk Challenge is still a few days away. You can see what has been submitted so far at <http://www.naqcc.info/challenges/challenges202110.html>.

## NAQCC OCTOBER ANNIVERSARY CHALLENGE PRIZES: DRAWING NOVEMBER 12, 2021

- 1st **MFJ-9320K QRP Cub Transceiver Kit**, 20M (\$130)
- 2nd **MFJ-845 Digital SWR/Wattmeter** (\$120)
- 3rd **ARRL Gift Certificate** (\$50), NAQCC Coffee Cup (\$15)

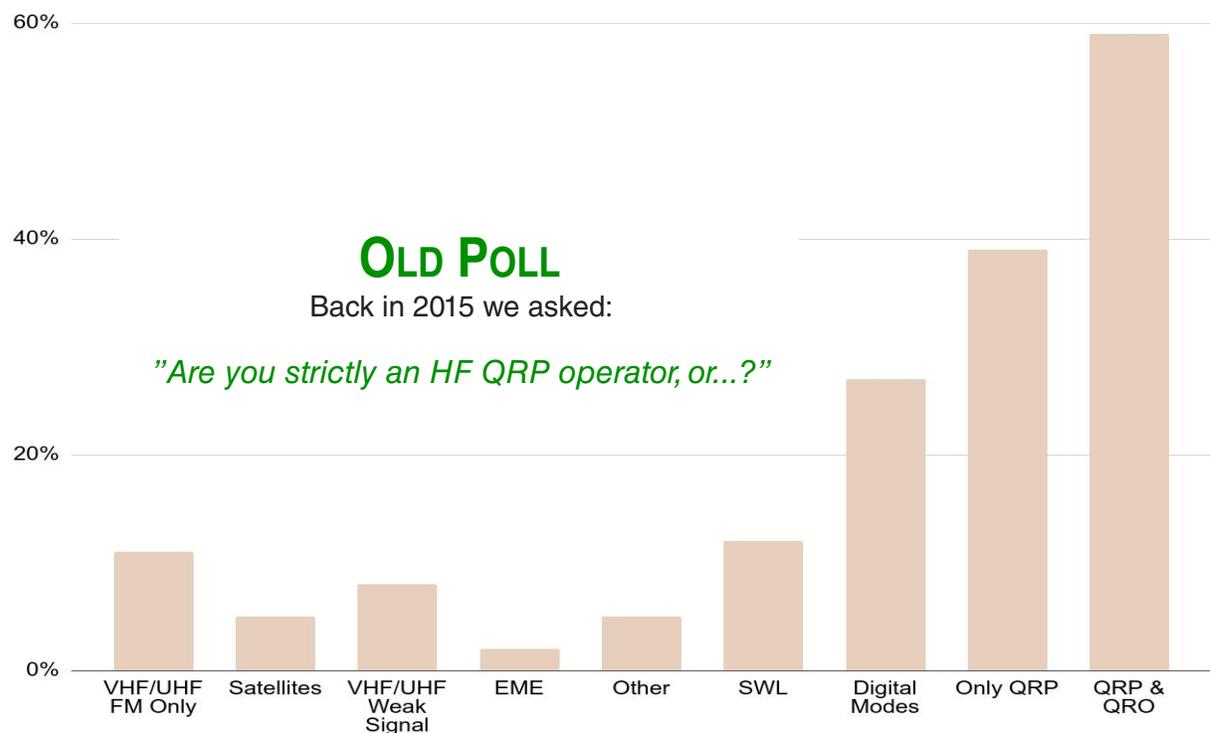
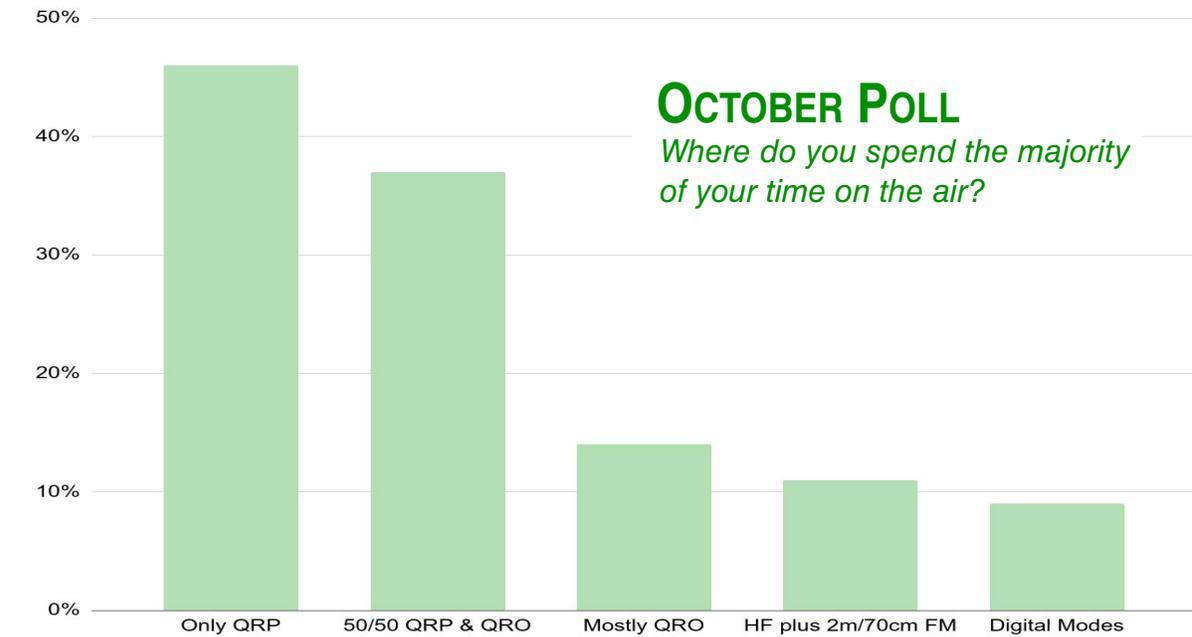


# MEMBER POLLS

## NOVEMBER POLL

Did you participate in the club's anniversary events October 10–16?

Let us know at [http://naqcc.info/poll\\_new.html](http://naqcc.info/poll_new.html)



# 17TH ANNIVERSARY REPORT

BY RICH KC3MIO #9942

Our NAQCC 17th Anniversary is over, the logs have been collected and I am writing to recap the results. I survived my first anniversary with the help of Paul, N8XMS who ran the celebration for half of its history. Thanks to Paul, who enjoyed focusing on operating for the first time in nine years.

Thirty-eight ops volunteered to put out our N3A call from all 10 continental regions and Puerto Rico. Some ops were unable to get on the air and a few were unsuccessful due to limited operations, and in the end, 24 operators

submitted logs, with logged contacts ranging from one to 107.

Interestingly, there was a shift to 40 and 20 meters this year (85% of the QSOs), at the expense of 80 meters.

This year was a mixed bag with QSOs and Operators down, but the QSOs per op were higher than all but one of the last six years. We worked all states except ND, AK, HI, ID, NV and we missed 6 Canadian provinces: NS, NB, PE, SK, AB, NL. DX countries worked were EA, SM, PR, LZ, PA, OH, CL and SV.

N3A/# Statistics for 2021 and the Past Five Years						
Year	2016	2017	2018	2019	2020	2021
Total QSOs	1396	1718	957	515	825	772
# of Operators	46	37	35	27	42	24
Avg QSOs/Op	30.3	46.4	27.3	19.1	19.6	32.2
US States	50	49	46	43	45	45
VE Provinces	8	4	7	2	6	4
DX (non W, VE)	24	15	21	4	15	8

NA3/# QSOs by Band - 2021								
Band	160	80	60	40	30	20	17	15
# QSOs	3	69	0	460	39	196	3	2
% of total	0.4	8.9	0	59.6	5.1	25.4	0.4	0.3
NA3/# QSOs by Band - 2020								
# QSOs	10	209	0	408	32	161	4	1
% of total	1.2	25.3	0	49.5	3.9	19.5	0.5	0.1

## CURIOSITY

Last year I wanted to know how much time I spent on the air during the anniversary. The spotting schedule rolled over so that I couldn't calculate the total time. This year I had access to the data, so I downloaded the spotter database, which collected scheduled operations according to call signs, frequencies, and times, and used Excel for some analysis.

What I found was that our N3A ops scheduled almost 222 hours of operation during the week. Of course, actual operations were likely less than scheduled times, but that represented over 9 hours per operator. With 772 QSOs, that worked out to about 3.5 contacts per hour, which seems like a low yield for our efforts.

I'm guessing that most of us did a lot of "CQ N3A/#" and with five watts at most, it's hard to get the world's attention (I know that some ops were using the search & pounce approach). Spotting is very helpful and hitching your efforts to Parks on the Air, turbocharges your efforts. I had one successful POTA activation that started off poorly until an op spotted me on the POTA website after which I made 10 more contacts in 40 minutes.

I don't have an exact count of how many of our ops did POTA activations, but at least a few did. There may be techniques that we can use to increase the efficiency of our celebration and gain more contacts. I learned a lot in my first year organizing the anniversary and have some ideas for next year.

Station	Ops
N3A/1	K1RID K1JSM AC5XK
N3A/2	N2JJF
N3A/3	K3EW K3WWP NA3NA NR3Z KC3MIO
N3A/4	AE4ZR KC5F K4BAI W4CMG AA4W AC6ZM
N3A/5	NF5U K5WX
N3A/6	KA6TVX
N3A/7	KD9LTN
N3A/8	N8XMS K8NGW W3IQ
N3A/9	KC9IL
N3A/0	W0EJ W0ITT

## LESSONS LEARNED

I think that my late start soliciting ops was partly to blame and the perception that propagation is still mediocre also contributed to the lower participation, but all in all, I think we had fun and will do even better next year. I hope to get more operators and fill in sprint ops for all regions.

Here is the list of N3A ops who made at least one QSO during our anniversary celebration. We thank all of you on behalf of the Club for the time and effort you put into our special event (including the chore of logging and reporting). Calls in red were the special event operators who were active during the sprint.



## N3A EVENT OPERATOR SOAPBOX

**N3A/2 N2JFJ:** Conditions not great. Did not get much response calling CQ at my scheduled times. I had more luck doing search and pounce. Did not hear many N3A stations. Looking forward to next year. Thank you, Rich, for all the time and effort you put into this event. Sorry did not get to work you.

**N3A/0 W0EJ:** Busy beginning to the week prohibited working this event, last day was a lot of CQ-ing. 73 de W0EJ

**N3A/1 AC5XK:** I enjoyed being able to jump on a band for a short time and if that didn't work out, I'd move to another one. Great experience contacting so many stations QRP. Contacts to EA, LX and PA surprised me too. Many of my QSOs came from the K1USN SST and NY QP sessions.

**N3A/4 KC5F:** Half as many as last year, but also only 3 hours this year vs 5 last time. Definitely a difference between early- and late-week shifts, as the 4th call area was well-represented, and people weren't still looking for it by the end. But still, lots of fun! Thanks, all.

**N3A/8 W3IQ:** Band Condx not very good and then on Wednesday CWT on top of me. Other than that (GREAT FUN!!!)

**N3A/4 W4CMG:** Conditions were rather poor over the week. Only one QSO on the 13th even though I spent the full hour. One surprise through the poor conditions was an 80M QSO with a fellow TN operator, AC6ZM, whom I rarely hear except when he is on a DXpedition. We wound up with 3 QSOs on 80M that night - one with me as N3A/4, one with him as N3A/4, and one in the CWTs (though at a higher power). Other notable QSOs were with K4BAI - a contest is not complete until we have a QSO, KC9YL, my "CW Buddy" and good friend who joined NAQCC right before the 17th anniversary event, and WB7S, who was a unexpected WY contact (based on the

RBN map I was watching to see where I was being heard). Sadly, my QSO with WB5MET in TX fell apart before we could complete the exchange- 559 one minute, and totally gone the next. So sorry Jimmy, there will be others!

**N3A/4 K4BAI:** Really enjoyed the NAQCC Sprint. Otherwise, it was a hard slow grind to make QSOs, but I gave it the "old college try." Thanks for all QSOs. 73, John, K4BAI, NAQCC #644

**N3A/6 KA6TVX:** Looking forward to next year. hope to do a POTA activation using N3A/6

**N3A/9 KC9IL Warren:** Bands weren't great this year, but persistence paid off. 20 meters opened a couple times, but for the most part 40 meters was the "money band." Thanks to all who worked me.

**N3A/5 NF5U:** The bands were not too bad, 40M was the best for my operation. I was getting good returns from RBN on 20M and 30M as well. The Sprint was a lot of fun as usual. All in all, it was a good 17th Anniversary celebration.

**N3A/0 W0ITT:** To Rich KC3MIO, thanks for all your help and managing our teams. Thanks to everyone I worked for the QSOs, hope to see you on the air again. 72 de Gary W0ITT

**N3A/8 K8NGW:** Very poor conditions with lots of thunderstorm QRN each night. However, I had a Reverse Beacon Network window open while working and verified my signal was covering the eastern half of the US. I guess the 160 operators are very few and far between!

**N3A/4 AE4ZR:** I'm happy to be able to say I worked six different POTA parks, one each day (A scheduled doctor's appointment kept me from doing seven). Unfortunately, due mainly to time constraints and such I only had two successful activations. Getting out and enjoying the great Wx we had made up for it.

# THE STATE QSO PARTY CHALLENGE AND CASUAL CONTESTING

BY DON VE3DQN #5846

For some hams the expression “casual contesting” is an oxymoron. But I'm writing for the NAQCC gang who are used to our friendly monthly Sprints, which many of us treat as 'jogs.' Even when we participate in the big-time contests (DX, WPX, Sweepstakes, etc), we QRPers often approach them casually, more interested in what surprising entity catches we may make rather than our final score.

## STATE QSO PARTY CHALLENGE

I “discovered” the State QSO Party Challenge earlier this year (2021) and found it appealing to me as a “casual tester.” State (and Province) QSO Parties have been popular for years, but the Challenge that began in 2020 puts a new twist and motivation to get on the air weekends. The Challenge <http://stateqsoparty.com/> is a (nearly) year-long event, starting with the first State QSO parties in early February, pausing for a break in the summer, and ending with the last one in mid-October.

Participants aim to achieve one of five levels by the end of the State QSO Party season: Bronze, Silver, Gold, Platinum, or Diamond. Each level is

numerically defined by the total number of QSOs made times the multiplier of how many State QSO Parties are entered by the end of the season. You need a total score of 500 to achieve a Bronze award, 5,000 to achieve Silver, 10,000 for Gold, 25,000 for Platinum, and 100,000 for Diamond. You have to participate in at least two State QSO Parties to be entered in the program, and each QSO Party must have at least two QSOs. There are 45 qualifying State (and Province) QSO Parties in a year. Participants simply submit their scores to <https://www.3830scores.com/> to be included in the Challenge.

## SETTING GOALS

I'm a casual tester, typically putting in 30 minutes to a couple hours in a weekend contest I may want to join. So early in the season I strategized a bit on what level in the State QSO Party Challenge I hoped to achieve by the end. I aimed for the Platinum level. I calculated that if I could participate in 40 State QSO Parties, I'd need to average about 16 QSOs per Party to reach 25,000 points. But at QRP power levels and modest antennas I might be hard pressed to achieve



# CHALLENGE

more than 2 QSOs to states or provinces far distant from my QTH in eastern Ontario. On the other hand, by racking up higher QSO counts in the Ontario QSO Party and some of the bigger ones closer to home (e.g. NY, OH, New England, VA, FL, GA), I figured I'd be able to take up the slack.

### PLATINUM, BUT NOT ALL QRP

I did achieve my Platinum goal, and learned a lot along the way. Some State QSO Parties are very popular, and you want to take advantage of them to bring up the total of your QSOs. A few others have so little in-state participation, I don't know why they're still on the official list. Uncertain of achieving my goal, for a few of the western states I turned up my power level to achieve the minimum 2 QSOs per Party. And being a transplanted native Californian, I couldn't resist operating at 100 watts in the CAQP to catch those last few counties I needed to get my Worked All California Counties Award. Of my ~700 QSOs in 39 State QSO Parties, less than 15% were made above QRP power levels (94 in the California QSO Party alone!), and maybe 2-3% were SSB. All the others were QRP CW.

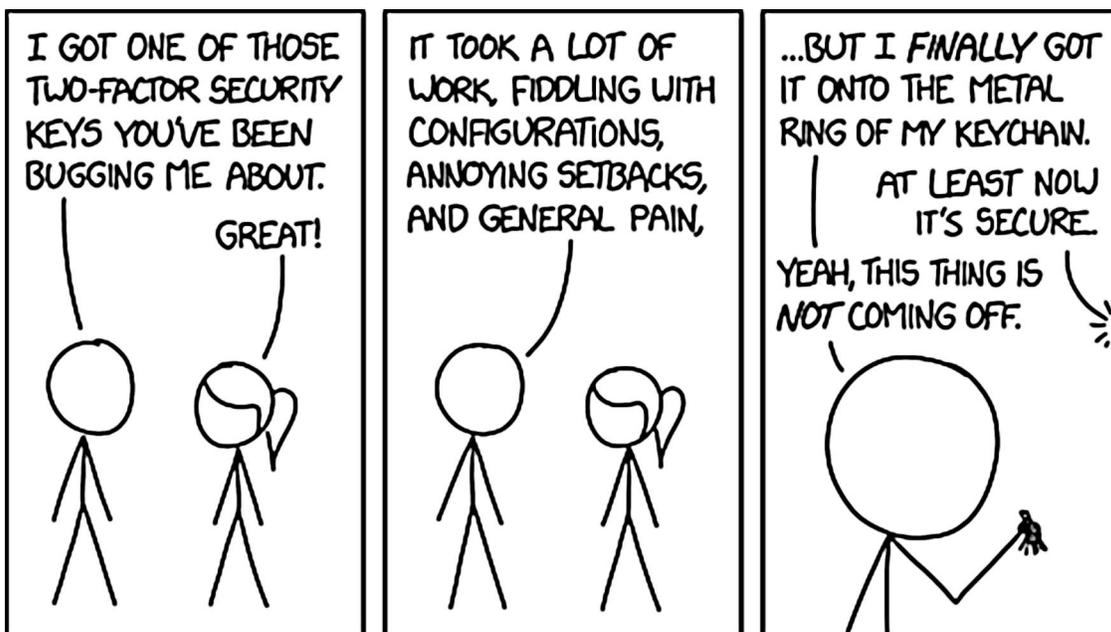
### NEW CHALLENGES AND NEW PERSONAL RULES

Next year I want to do this differently. For the State QSO Party Challenge I plan to operate strictly QRP and CW. I won't set my sights as high as I did this year. If I do decide to operate at LP power level for a State QSO Party (e.g. California), I won't submit that score to 3830scores.com so that their database registers accurate totals for my strictly QRP CW operations.

### NAQCC MEMBER QSO PARTY CHALLENGE

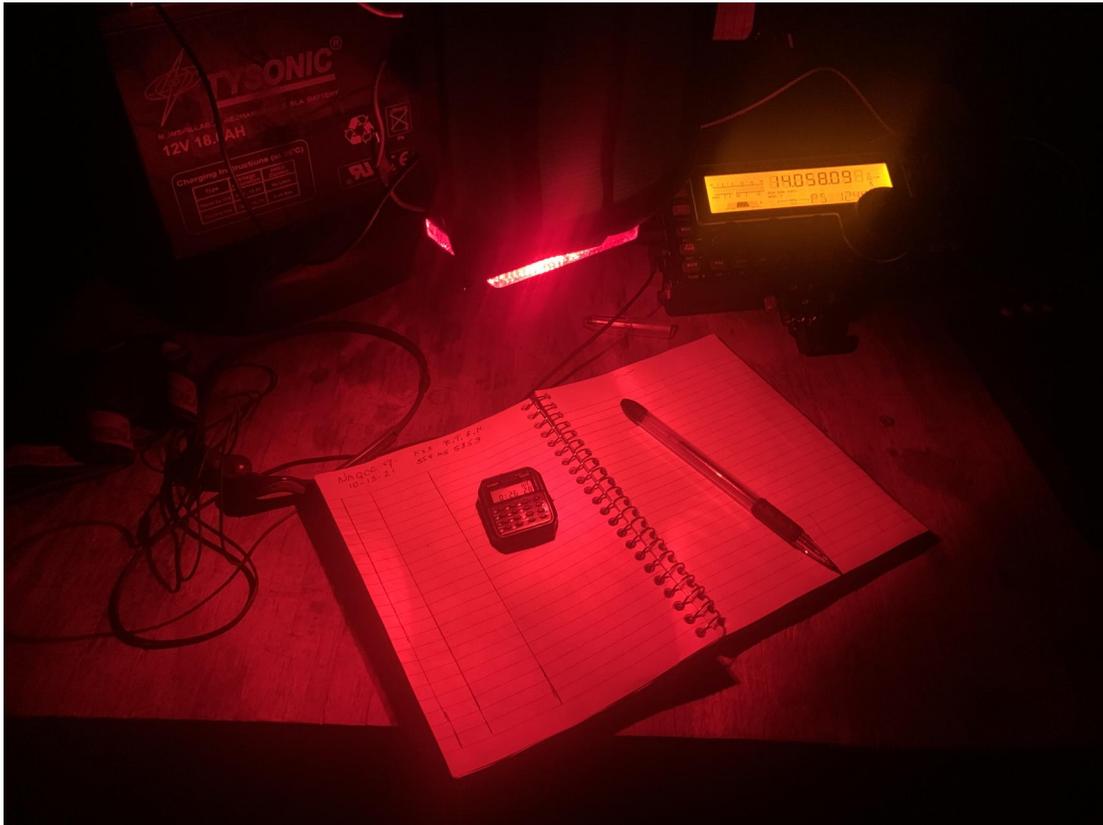
I think this is an ideal (nearly) year-long program for NAQCC folk. For me this Challenge program is more satisfying than simply entering a State QSO Party on its own, where my little score hardly registers even among the QRP entries. How about a friendly little "competition" among us? I'd love to hear from any other NAQCC members of your experiences in participating in the 2021 State QSO Party Challenge, or of any questions you might have.

—Don VE3DQN



# A NIGHT LIGHT FOR PORTABLE STATIONS

BY GENE N5GW #5353



Recently I erected a new doublet antenna in an improved location. I decided to try it out during the NAQCC Anniversary Sprint, but unfortunately the antenna was a few hundred feet from my shack. Portable operation seemed to be the answer, but it would be in the open after dark. That meant hordes of light-seeking insects would be attracted to my headlight. Bugs flying into your eyes and ears, or up your nose, would be worse than QRN & QSB!

Then I hit upon an idea: why not devise a lamp that puts out red light, a wavelength which is supposed to be invisible to insects. Since I had a spare trailer tail light, I was able to cobble

together such a gizmo using duct tape and a small lamp stand. When I hooked it up to an 18-mAh SLA battery, it put out enough red light to illuminate my paper logging notebook as shown in the night time pic (it's too ugly for a daylight pic!).

It worked better than expected as only a few bugs showed up on a warm, humid Mississippi night. The only problem was trying to find the correct buttons to push on the KX3 in the darkness, but I finally learned to do it by feel.

We can summarize this adventure by saying "getting the bugs out" takes on a whole new meaning!

# NAQCC SPRINT

## NOVEMBER SPRINT

Our Sprint this month will be on Thursday, November 18, 2021, **0130-0330Z**. That's the evening of Wednesday, November 17 here in North America.

Complete information at <http://naqcc.info/sprint/sprint202111.html>.

## RULES

Complete sprint rules and instructions on how to submit your log can be found at [http://naqcc.info/sprint\\_rules.html](http://naqcc.info/sprint_rules.html). On that page you will also find information about the different computer loggers that are supported for our sprints. The membership data files for those supported loggers can be downloaded at <http://naqcc.info/contests.html>. **Please be sure to always get the latest membership data for your logger about a day before the Sprint.** A complete schedule for our upcoming sprints can be found at [http://naqcc.info/sprint\\_sked.html](http://naqcc.info/sprint_sked.html).

## OCTOBER SPRINT RESULTS:

Complete Sprint results, including all of the soapbox comments, can be found at <http://www.naqcc.info/sprint/sprint202110.html>. High scores can be seen in the tables on the next page.

We would especially like to welcome our first-time regular sprint loggers and hope that they will return to participate often: W4VQS, KE1AK, W7RIP, & N4RRT

October Sprint				
	Current Month	Previous Month	All-Time Record	Record Date
Logs	103	99	217	4/17
Participants	134	127	269	2/13
Total QSOs	1035	1276	3154	4/17
Hour 1 QSOs	618	762	1704	4/17
Hour 2 QSOs	417	514	1450	4/17
20m QSOs	62	235	1232	8/13
40m QSOs	705	884	2203	4/17
80m QSOs	268	157	1417	2/13
Avg QSOs/Station	10	12.9	19.3	9/11

SWA STRAIGHT KEY CATEGORY			
Division	1st	2nd	3rd
W1	K1MZM	K1YAN	W1VKE
W2	W2SH	KA2KGP	K2CWM
W3	N3A/3	KC3MIO	K3JZD
W4	KC5F	N4OW	K8LBQ W4VQS (TIE)
W5	N5GW	KE9DR	KA5TJS
W6	AI6SL K6GPB (TIE)	-	-
W7	N7KM	-	-
W8	N3A/8	NF8M	N8GZ
W9	WB9HFK	K9QEW	N8HWV
W0	N0TA	N3A/0	NO2D
Canada	VE3KAE	-	-
DX	CO8CML	-	-

SWA KEYER/KEYBOARD CATEGORY			
Division	1st	2nd	3rd
W1	N3A/1	KB1M	N1JI
W2	N3A/2	N2EI	K2OID
W3	N4RRT	K3RLL	-
W4	N3A/4	K4KBL	N4MJ
W5	K5WX	KE5YUM	-
W6	NS3C	-	-
W7	KF7Z	-	-
W8	W18J	WA8SAN	WB8LZG
W9	NN9K	N7QR	AB9BZ
W0	KC2MJT	N8LA	-
Canada	VE3DQN	VE3HUR	-
DX	-	-	-

SWA BUG CATEGORY			
Division	1st	2nd	3rd
W1	W1ND	-	-
W2	WA2FBN	-	-
W3	NN3E	AF3Z	K3WWP
W4	KJ4R	-	-
W5	N3A/5	-	-
W6	-	-	-
W7	-	-	-
W8	K8NGW	-	-
W9	N3A/9	AA9L	-
W0	KD0V	-	-
Canada	-	-	-
DX	-	-	-

GAIN CATEGORY			
KEY	1st	2nd	3rd
SK	-	-	-
BUG	-	-	-
K/K	NQ2W	W7RIP	-

FIRST-TIME ENTRANT HIGH SCORE			
Key Type	1st	2nd	3rd
SK	W4VQS	KE1AK	-
BUG	-	-	-
K/K	W7RIP	N4RRT	-

N3A/# ANNIVERSARY OPERATORS			
Key Type	1st	2nd	3rd
SK	N3A/3 (K3EW)	N3A/0 (W0ITT)	N3A/8 (N8XMS)
BUG	N3A/5 (NF5U)	N3A/9 (K9DRP)	-
K/K	N3A/4 (K4BAI)	N3A/1 (AC5XK)	N3A/2 (N2JJF)

## SPRINT HONOR ROLL

We honor the following members for their outstanding participation over the years in our regular sprints. Exact counts can be seen at [http://naqcc.info/sprint\\_dates.html](http://naqcc.info/sprint_dates.html).

Number of Sprints	Members
50+	N2CN WB4OMM KF7WNS WI5H WA1GWH KB1M WA2FBN KC7DM VE3DQN KB0ETU AA0W K2YGM AA7CU WB1GYZ WB9HFK NQ2W NN0SS N8QY WY3H KJ4R N7QR K6CSL W5UAA VE3GNU WK6L KC2EGL AB8FJ K2HT KE9DR K4ORD WD4OHD K5GQ KB4QQJ NN9K
75+	NO2D KA9FQG N5GW NA4O KN1H K4NVJ N4MJ KQ1P N8LA VE3FUJ WD0K N8BB KD3CA K9OSC K9EYT K6MGO N8APO NF5U
100+	K1IEE WX4RM WA8SAN WG8Y W4DUK N0TA K4KRW KD2MX WB8ENE AA9L AK3X
125+	NF8M K3RLL K4JPN K2CWM KD0V N4FI KE5YUM N2ESE
150+	W2SH WB8LZG W9CC N8XMS K4BAI KU4A
175+	K3WWP KA2KGP W2JEK

### SPRINT SOAPBOX SAMPLER

**K3RLL** - Antenna down so ran wire up attic steps and tried end-loading it. So appreciative of the skilled op from GA who heard me. Thank you. 72/73 ... Don

**N8GZ** - Great fun, could not hear many stations though. I need to get bigger ears!"72"

**KN1H** - Camping tonight in Pembroke, GA en route from FL to NH. Autotuner failed in KX2 so ran a quarter wave wire for 40M which matched OK but eliminated any chance to work 80M. Also note to self: next time bring headphones! QSB was really deep sometimes, thanks Garry, WB1GWH, for hanging in there to confirm it really was GA! Happy Anniversary NAQCC. 72, John, KN1H/4

**K4KBL** - Really enjoyed the Sprint tonight. Worked many new stations with 5 digit member number !! Hope all had a great time and looking forward to the prize drawing soon.

**AB4QL** - It was ummm errr interesting! I think my antenna system died.

**NO2D** - 40m very tightly packed. Tried calling CQ on 80m. No responses. Tried 20m and picked up KK4ITX from Florida. Best DX of the night. Thanks as always to those who make the sprints possible. I really enjoy them. Pete

**N3A/8** - Conditions were tough and QSOs were few and far between. In past years the special anniversary call even generated minor pileups, but not this year. It was still a lot of fun. - N3A/8 (N8XMS)



# INTERNATIONAL JAMBOREE ON THE AIR WEEKEND 2021

BY JAY, N4NRL, #10538

## INDIAN SPRINGS SCOUTING DISTRICT, ATLANTA AREA COUNCIL, TROOP 39 HOSTING

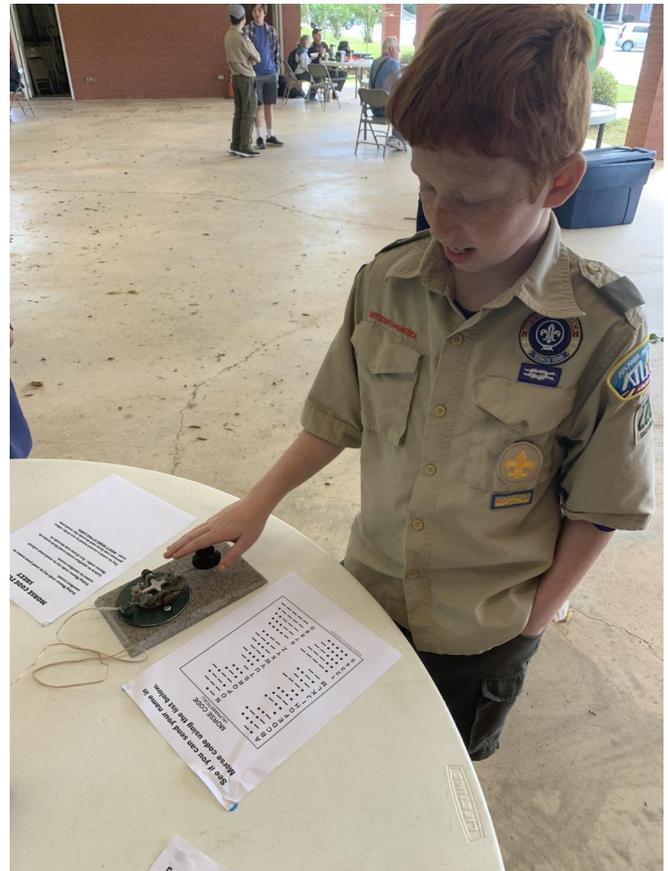
This year's annual Jamboree on the Air (or JOTA) event was held October 15–17, 2021. It brought scouting youth in northwest Georgia and around the world together to meet on the air in the world's biggest scouting event. Usually scouts talk on the radio to other scouts or amateurs willing to talk radio around the US and world.

## SCOUTS HANDS ON WITH CW

During the 2021 JOTA event I, as in years past, setup a Morse code demonstration area which consisted of two or three straight keys hooked to oscillators along with an old keyboard that allowed the youths to type a letter and hear it converted to the Morse letter. I provided several sheets that show the coding for each letter and number so the scouts can look at a letter, then practice pressing the key to send the coding for that letter.

Using the keyboard the scouts can type out their name or city and hear what the code sounds like at different speeds. The scouts are very familiar with the use of a keyboard and have no problem typing a name or words of a sentence. They take quickly to using the key for sending letters and numbers quickly with spacing just a little off.

With the provided coding and decoding work sheets printed for them, the scouts were encouraged to tap out a word while another scout tries decodes the sound of the letters. Amateurs are often surprised that the scouts find it great fun to



both send code and also to decode the sent letters or number. They quickly learn that it takes some practice going both directions.

Everyone had a great time at the CW demonstration table. Usually, they end up challenging me or other participating hams to read what they send. Sometimes hams and senders actually get the right answer depending on the speed, usually very QRS, by the youthful sender. Hams are not usually familiar with listening at the speed the scouts often use. The scouts love it when one of the hams gets something wrong.



**ON THE AIR**

The JOTA demonstration QRP CW station was on the air using N4J or N4NRL from Friday night then all day Saturday October 16th. Running about 5 watts to a Wolfriver vertical, the station made a number of on-air contacts with a simple short exchanges of call sign, RST, name and QTH so that all with scouts watching and listening could occasionally get a letter or two copied. QSL cards were offered with SASE for on air QSOs using the Special Events N4J call. A few QRP QSOs were reported on the final day of JOTA, Sunday 17 October.

During the day Saturday, scouts got to learn about how hams develop the content of a QSO. They learned about letter spacing and speed. In the process they learned about frequencies and why a ham license is needed. The hope is that one or two of them will someday become a ham operating a CW station of his or her own.

I hope some of my fellow NAQCC'ers will find a way to participate next year on the air from your home shack or even better, find some scouts and a JOTA location near your home. You could even put your own JOTA CW demonstration station on the air. Next year dates are 21-23 October 2022. ARRL and BSA both have plenty of information online or contact me directly at: N4NRLradio@gmail.com

**-Jay, N4NRL, #10538**

UNITED STATES

# N 4 J

**Jamboree on the Air 2021**

Jay Langley - N4NRL control OP  
7011 Camp Falls Ct  
Winston, GA 30187  
BSA

**CONFIRMING CONTACT**

RADIO	DATE	UTC	MHZ	MODE	RST
	16 OCTOBER 2021			SSB - CW	

Pse QSL Tnx 73,



# NAQCC AWARDS

You may already be a winner! NAQCC has an extensive list of awards. Check your log to see if you're close, or just need to submit. Complete details can be found at <http://naqcc.info/awards.html>.

## FEATURED AWARD:

### WAS

It's just the classic WAS award with some modifications for QRP/CW.

#### Time Frame For Qualifying QSOs:

January 1, 2004 0000Z through the present

#### Basic Award Premise:

Contact all 50 or "Lower 48" USA states within the time frame using QRP, CW, and simple wire antennas.

#### Categories:

- A - 50 USA states.
- B - 50 USA states 2X QRP
- C - "Lower 48" USA states QRPp

## EQUIPMENT:

### YOU:

Power: A,B - QRP; C - QRPp

Antenna: A,B,C - Simple Wire Antennas by NAQCC standards

### HAM YOU WORK:

Power: A,C - Any; B - QRP

Antenna: A,B,C - Any

## QSOs:

Any type of QSO is permissible - rag chew, DX, contest, net, etc.

## RECENTLY ISSUED AWARDS

### 1000 MPW AWARD

Nr	Call	Stn worked	-	MPW	-	Award Date	-	Notes & Antenna
0576	AJ6FN	JA7MBT	-	1,152	-	10/08/21	-	Wire vertical

### KMPW 100 AWARD

#	Call	Date
0014	- KB1FGC	10/08/21

### 30-30 AWARD - One month

Nr	Call	Month	Date
0053	- PA9CW	Sep 2021	10/08/21
0054	- N8HVW	Sep 2021	10/08/21
0055	- PA9CW	Oct 2021	10/18/21



# NAQCC CHALLENGE

BY GARY K1YAN #2365

## THIS MONTH'S LETTER CHALLENGE: INVASION STRIPES

### PREMISE

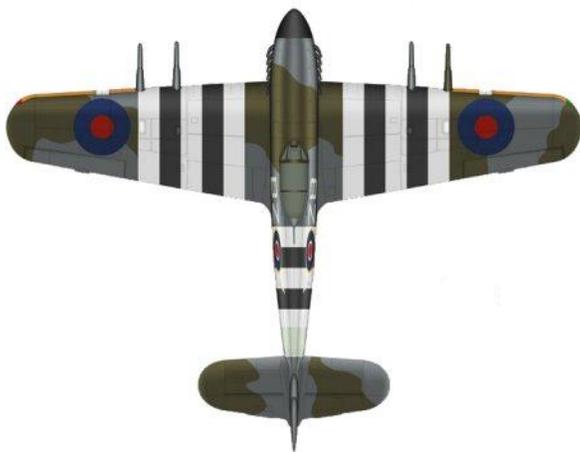
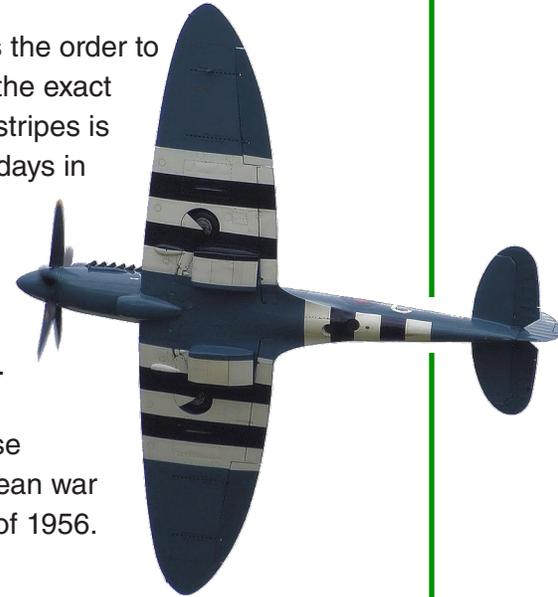
Ever wonder what the alternating stripes on WW II aircrafts wings and fuselage were for? It was not to identify a particular unit or type of aircraft. There was, however, a lifesaving reason for these markings.

It is July 1943. As part of Operation Husky, 144 US transport planes, carrying some 2000 paratroops, approach the beaches of Sicily. They must pass over Allied troops, already on the ground, who have been facing frequent German air strikes. Suddenly, after several successful drops, an Allied gunner fires on a transport, triggering fire from Allied shore guns and ships. The toll is 23 aircraft down, 37 damaged, 83 killed and 318 injured. This was to become the worst US friendly fire incident of the war.

Planners, preparing for the D-day invasion, fear another such incident. To help prevent this, "invasion stripes" are painted on Allied aircraft for easier identification by friendly forces.

Depending on the particular type of aircraft, alternating, 18" or 24" wide, black and white stripes are painted on the wings and fuselage.

For security reasons the order to do the painting and the exact configuration of the stripes is released only a few days in advance. Ground crews earn their pay by completing this massive task in time for the invasion. The stripes are effective and their use continues in the Korean war and the Suez crisis of 1956.



### WORDS

- OPERATION HUSKY
- FRIENDLY FIRE
- INVASION STRIPES
- 18 OR 24 INCHES WIDE
- ALTERNATING BLACK AND WHITE

### NOVEMBER CHALLENGE TRACKER:

1	2	4	8	A	B	C	D	E	F	G	H	I	K	L	N	O	P	R	S	T	U	V	W	Y

Every time you work a new station this month, mark off the lowest box under each letter of the call to track your progress and see what letters you still need.

### SUBMITTING YOUR ENTRY

The easiest way is to use the great tool hosted by Robby WB5RVZ. Create an account, choose this month's challenge, and paste in all the eligible calls you worked. It will apply the letters, tell you what you're missing, and fill out the email for you. <http://naqccletters.azurewebsites.net/>

If you want to do it by hand, or got some but not all of the words and want to pick up a participation point, send an email to [charlie.wilber@gmail.com](mailto:charlie.wilber@gmail.com)

Subject: (your call) NAQCC (month) Challenge  
 Body:  
 your call:  
 word1 - call1 call2 call3  
 word2 - call1 call2 call3

### RULES:

Just make ALL the words from calls of stations you work subject to the General Challenge Rules. (Any spaces in the phrases should be ignored. For example the challenge phrase "INVERTED V ANTENNA" should be treated as if it is the single word "INVERTEDVANTENNA.")

Each letter in a callsign you work during the month can be used twice to complete the challenge words. Complete rules, information, and a helpful tutorial on how to organize your work for an alphabet challenge along with detailed general rules and submission instructions can be found at [http://naqcc.info/challenges\\_rules.html](http://naqcc.info/challenges_rules.html)



Entering the Challenges earns you participation points so you're eligible for the best prizes in the annual anniversary drawings.

## NEXT MONTH'S CHALLENGE

December's Flying Santa Challenge will make you believe.

<http://naqcc.info/challenges/challenges202112.html>

## LAST MONTH'S CHALLENGE

The deadline for submissions for our Diner Talk Challenge is still a few days away. You can see what has been submitted so far at <http://www.naqcc.info/challenges/challenges202110.html> and final results will be posted on that page shortly after the 10th of the month.

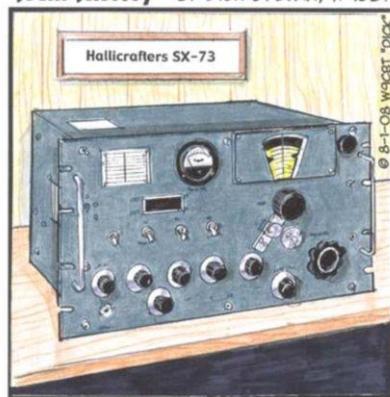
## CHALLENGE HONOR ROLL

We honor the following members for their outstanding participation over the years in our monthly challenges. Exact counts can be seen at [http://naqcc.info/challenges\\_sdchedule.html](http://naqcc.info/challenges_sdchedule.html).

Number of Challenges	Members
25+	KJ4R VE3DQN AH6AX WB4OMM KU4A N1JI KD0V K9OSC KA5PVB WY3H N4OW VE3HUR KB1M WY7N KI4IO AC2C N1LU KD2MX DK1VD
50+	VE3FUJ PA9CW WI5H NF1U WA2FBN AK3X G3JFS N9SE W3IQ
75+	PA0XAW
100+	K1IEE K1YAN
125+	
150+	K3WWP W2JEK N8XMS



**Ham History** BY DICK SYLVAN, W9CBT



DO YOU REMEMBER THE HALLICRAFTERS SX-73  
IT WAS ALSO USED BY THE MILITARY IN 1950-53

Dick Sylvan, W9CBT, #2062, has been a QRP/CW operator for a long time. He is also a very accomplished ham radio cartoonist and his work has appeared previously in the K9YA Telegraph newsletter. His book "HI HI - A Collection of Ham Radio Cartoons" is available at [www.lulu.com](http://www.lulu.com).

# NAQCC NETS

We have a number of nets (QRS = slow speed, QRQ = higher speed) designed to help people build up their CW operating skills. Complete information about these nets can be found at [http://naqcc.info/cw\\_nets.html](http://naqcc.info/cw_nets.html). Questions should be directed to Net Manager Mark, W8EWH.

NAQCC Net Schedule				
Net	Local Time	UTC	Freq +/-	Primary NCS
East Texas QRS Net (ETN)	Monday 7pm CDT	Tuesday 0000 Z	7066 kHz Summer 3566 kHz Winter	Allen KA5TJS (TX)
Midwest QRS Net (MWN)	Monday 7:30 CDT	Tuesday 0030 Z	7031 kHz	Bob W0CC (KS)
Pacific Northwest 80m QRS Net (PNW80)	Thursday 7 PM PDT	Friday 0200 Z	3556.5 kHz	Stewart KE7LKW (WA)

**Note: On the rare occasions that there is a conflict between one of our scheduled nets and one of our regular sprints, the sprint will take precedence.**

## UPDATED NET SCHEDULES STARTING THE WEEK OF NOV 7:

### NAQCC East Texas QRS Net (ETN)

Monday evenings 7:00 PM **CST**, which is Tuesday **0100** UTC, on 7066 kHz +/- (Summer) or 3566 kHz +/- (Winter)

Main NCS - Allen KA5TJS (Texas)

### NAQCC MIDWEST QRS Net (MWN)

Monday evenings 7:30 PM **CST**, which is Tuesday **0130** UTC, on 7031 kHz +/-

Main NCS - Bob W0CC (Kansas). Assisted by Dave AB9BZ

### NAQCC Pacific Northwest QRS 80 Meter Net (PNW80)

Thursday evenings **5:00 PM PST**, which is Friday **0100** UTC on 3556.5 kHz +/-

Main NCS - Stewart KE7LKW (Washington State)

## NET CONTROL STATION REPORTS

### NAQCC EAST TEXAS QRS NET (ETN)

Monday evenings 7PM CDT\*, which is Tuesday 0000\* UTC,  
on 7066 kHz +/- (Summer) or 3566 kHz +/- (Winter)

Main NCS - Allen KA5TJS (Texas)

Oct 05 – QNI (4) NCS KA5TJS, KE5YUM, KE5YGA, N4NN

80 meters was good again last night. Signals were 599/599/579 respectively. Powers were 5/100 and 25 watts respectively. QRN was about S7 here and others reported up to S9 noise.

Oct 12 – QNI (3) NCS KA5TJS, KE5YUM, KE5YGA

Band conditions were good last night. 599/599 with S7 QRN. Solar flares did not seem to be a problem.

Oct 19 – QNI (3) NCS KA5TJS, KE5YUM, KE5YGA

We got run off 3566 kHz by digital QRM. Had to QSY up to 3568 kHz before we got out of it. Signals were very good with both at 599.

Oct 26 – QNI (3) NCS KA5TJS, KE5YUM, KE5YGA

Good signals tonight and no digital QRM. We had a great chat on 3566kHz without problems this week. Both were 589/599 here.

---

### NAQCC MIDWEST QRS NET (MWN)

Monday evenings 7:30 PM CDT\*, which is Tuesday 0030\* UTC, on 7031 kHz +/-

Main NCS - Bob W0CC (Kansas) — Assisted by Dave AB9BZ

Oct 04 – QNI (2) W0CC, AB9BZ

Drive heard KE8PAG; however, I could not hear Tom's signal well enough to copy.

Oct 11 – QNI (3) W0CC, WA2DWZ, AB9BZ

My time on the Net was shortened by a minor emergency at home. I know that the NAQCC Celebration is also occurring, and I suspect that most of our members are participating in that event.

Oct 18 – No Net this week.

Oct 25 – QNI (0) W0CC

Thought that I heard WA7JUW; however, I was not able to complete the QSO. Maybe next week!

---

\* See preceding page for time changes this month

## NAQCC PACIFIC NORTHWEST QRS 80 METER NET (PNW80)

Thursday evenings 7PM PDT\*, which is Friday 0200\* UTC on 3556.5 kHz +/-  
Main NCS - Stewart KE7LKW (Washington State)

Oct 08 – QNI (9) NCS KE7LKW, WB4SPB, AD7BP, W7ANM, K7JUV, N0DA, WS7DA, KI7SJE, KG7VTO

Oct 15 – QNI (9) NCS KE7LKW, WB4SPB, AD7BP, W7ANM, K7JUV, WS7DA, KG7VTO, KD7LX, W7DRA

Oct 22 – QNI (10) NCS KE7LKW, W7OS, AD7BP, WS7DA, KG7VTO, N0DA, WB7WHG, KI7SJE, KJ7KDB, W7DRA.

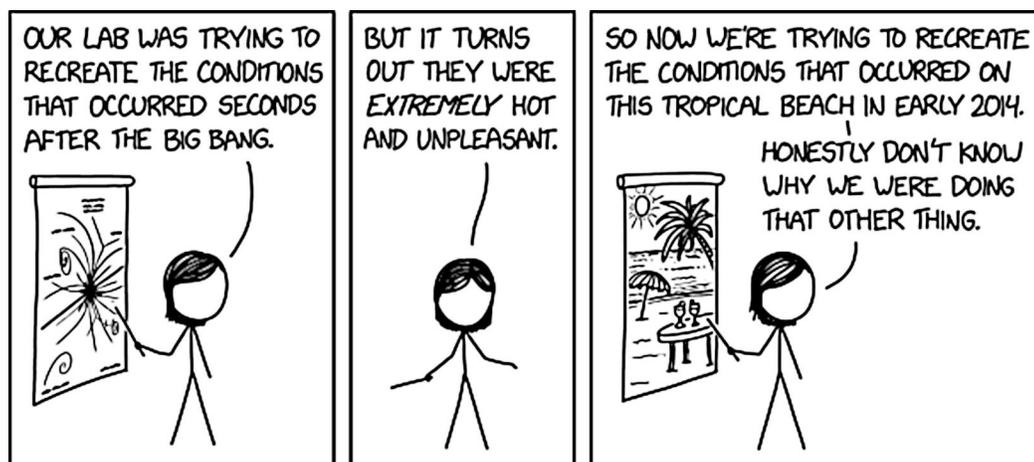
Oct 29 – QNI (7) NCS KE7LKW, WB4SPB, AD7BP, KG7VTO, WB7WHG, KI7SJE, KB7WDP.

## NAQCC NETS: GREAT CW PRACTICE

The Nets are a good adjunct to other means of code practice in that they let stations practice under actual band conditions with the attendant QSB, QRN, and QRM. Practice under fire, so to speak.

Because becoming proficient in CW is a main goal of the NAQCC, we do permit stations to run more than 5 watts for the net IF NECESSARY. However that is the ONLY NAQCC activity for which that is true.

It is suggested that as much as possible, the nets should be run using the Farnsworth method of sending Morse Code. That is, the individual letters should be sent at a higher speed but spaced out so overall the words and sentences are actually sent at a lower speed. This is the best method of learning CW and increasing CW speed. It eliminates the wasteful system of converting dots and dashes to letters. You immediately hear *didah* as an 'A' rather than thinking, "well that was one dot and one dash, that's let's see, oh an 'A'". You will never increase speed by taking time to convert dots and dashes to letters.



# NAQCC CHAPTER NEWS

The North American QRP CW Club currently has seven local chapters - Western Pennsylvania, West Florida, Illowa, Downeast Maine, Long Island, Florida, and Green Swamp WCF—but we would be more than happy to expand on that list. Chapters are more or less independent local gatherings organized by NAQCC members in a geographical area and subject to a list of guidelines from the NAQCC. They provide opportunities to have fun and to promote our parallel passions of QRP and CW. If you are interested in forming a local chapter please contact Club President Steve WB4OMM.

If your chapter is planning a portable operation activity and would like to have it promoted on the club email list or in the newsletter, send an email with the subject “NAQCC Portable Operation” and with the exact wording of the announcement to Steve, at the email address listed on the last page about a week before the operation. Please be sure to include the UTC time for the event and not just the local time.

A report about your chapter activity should appear here. Please send them to KD2MX or N8XMS at the email addresses listed on the last page.

NAQCC chapters located in the United States are welcome to use the NAQCC Club call, N3AQC for their special operations. Please contact call sign trustee Please contact call sign trustee, Club VP John KK4ITX, to schedule the use of N3AQC.

## NAQCC DOWNEAST MAINE CHAPTER



Items in this section are from the Downeast Maine Chapter unless otherwise credited. Questions and comments should be directed to Jeff, KA1DBE.

The chapter is located in the Hancock and Washington counties area of Maine.

As the days of summer wind down and fall is upon us, we decided that one more QRP event was not out of the question. Our local ham club has a good sized subset of QRP operators. Not all are proficient in CW but we would not discourage them from joining with us.

**Dick, W1KRP #8396** couldn't resist the temptation to work DX during the CQWW SSB contest. He worked a total of 10 contacts and showed that QRP works!



With rain in the forecast every single day, it was not looking good for our planned outing on the 30th of October. We remained hopeful and as luck would have it, the rains cleared for our Saturday morning.

Three members of the Down East Chapter were in attendance and we had a total of 10 hams show up. Some were interested in what we do, some were interested in CW, and others were the regular QRP gang.



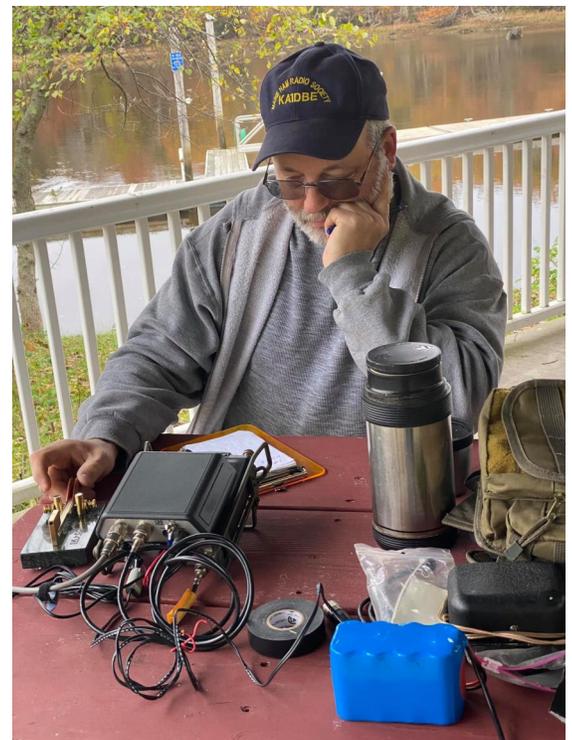
**Chuck, AC1BS #10123** came out and worked a little CW. He is a newer ham who wanted to learn CW and has really become proficient at it.



I was using a Yaesu FT-817 and a QRPguys 3 band vertical.



Dick was using his Yaesu FT-818 and a Buddistick Vertical.



Even yours truly got in on the action. I had a QSO with a 73 year old ham in Indiana. I look like I am almost asleep in the picture but I was concentrating and trying to use a Cootie key for the first time. My code was not stellar but readable.

Everyone had a good time and our next outing will probably come in the spring. Hopefully I will have some interesting winter projects or new member introductions in the coming months.

(All photos are courtesy of Phil, N1EP (#8954), who stayed behind the lens instead of in front of the radio! Thanks Phil!)

Very 73/72  
—Jeff, KA1DBE (#1570)

## NAQCC WEST FLORIDA CHAPTER



Items in this section are from the West Florida Chapter unless otherwise credited. Questions and comments should go to Ron, N9EE.

The chapter's web site is

<https://www.facebook.com/groups/967110089994401/>.

### ANCLOTE PARK, FLORIDA - OCTOBER 30, 2021

Arrived at the park around 9AM after breakfast with the Hernando Co club.

Anclote Park is located in SW Pasco County, 30 miles north west of downtown Tampa on Gulf of Mexico.

#### ATTENDING

- Ron, N9EE
- Don, KA2KDP
- Tim, WB8MVU
- Frank, KK4YDF
- Jim, N0NO w/wife
- Dan, AB4LN



Set up my IC705 with T1 tuner and 2 20m HamStickS as dipole at 8 ft on tripod and LiFePO4 9AHr battery. 20m had low activity, but as time went on it increased.

#### LOG

CALL	TIME	RST	FREQ	COMMENT
N8PEM	1031	579/599	14.062	POTA
WK8S	1035	559/579	14.062	CO
AC7FF	1208	539/339	14.058	Dave, AZ, SKCC 18404T
KB0FD	1215	339/589	14.018	Frank, AR 100W w/vertical

Most of the operation was talking with the group. We had hot dogs w/chile and cookies, so was fun for all.

Showed **Dan, AB4LN**, my new uSDX HF Transceiver, 80-10m, 4"d x 3"w x 1"h. Had tested and it has about 5W on 80-20, but drops off as one moves up the bands. Dan plans on getting one and coming to our next event. Told him if he came and set up I'd give him one of the NAQCC-WFL T-shirts.



## NAQCC FLORIDA CHAPTER



Items in this section are from the Florida Chapter unless otherwise credited. Questions and comments should go to Nikki, KM4SBQ.

The Florida Chapter website is <http://wb4omm.com/naqcc-fl-chapter>.

On Friday, October 15th, 2021 the Florida Chapter of NAQCC returned to a local park for our monthly adventure. We held our latest "Operation in the Park" at Sunrise Park North, in Holly Hill, Florida.

This lovely park, sets on the Halifax River, offers several "pavilions", a large fishing pier and grills. The view of the Daytona Beach peninsula skyline is terrific, and it's a great setting for hamming in the outdoors!

So, this trip, we had a total of 3 members and 1 visitor in our group: Steve WB4OMM #5913, Rick AA4W #1628, Steve K8SR #10527 and Bo N4BFB.

We arrived at the park with a temp of 80 degrees. It was a sunny day but there was a light breeze. Nice weather and great time had by all! In short...it was a great day to be with friends and play on the radio!

**Steve WB4OMM #5913** - Elecraft KX-3 running 5W to a Bud-dipole Vertical on 20M. Steve made 4 QSOs all members, including Mike N3A/8 #10008 MI, Curt K2CWM #3457 NJ, Mike K8NS #8597 FL and Steve K8SR #10527 FL



Steve WB4OMM #5913

**Rick AA4W #1628** – Elecraft KX3 running 5W to a Buddipole Vertical. Rick made 3 QSOs, 2 members and 1 non member on 40m including, Steve N3A/3 #10003 NC, Mike K9G WI, Jack WD4E #5649 NC



Rick AA4W #1628

**Steve K8SR #10527** – Elecraft K-1 5W to a Hamstick on 20M. Steve made 3 QSOs, all members. Mike K8NS #8597 FL, Steve WB4OMM #5913 FL and Tom KA2KGP #0555 NY.

**Mike K8NS #8597** and his K9 companion Asher made 3 QSOs using a K2 and a mobile Tar Heil antenna. They were located in the far SW corner of the parking lot.

Thanks to those who listened and helped make this a successful NAQCC-FL event!



Steve K8SR #10527

### **NEXT MONTH'S SCHEDULED EVENT:**

Friday, November 19th, 2021 starting at 10:00 AM EST  
Bethune Point Park - 101 E. Bellevue Avenue, Daytona Beach, FL

## NAQCC LONG ISLAND CHAPTER



Items in this section are from the Long Island Chapter unless otherwise credited.

Questions and comments should go to Howard, WB2UZE.

No Report

## NAQCC GREEN SWAMP WCF



Items in this section are from the Green Swamp WCF Chapter unless otherwise credited. Questions and comments should go to Gary N3OS.

The chapter's website is <https://www.zaarc.org>.

No Report

## NAQCC ILLOWA CHAPTER

Items in this section are from the Illowa Chapter unless otherwise credited. Questions and comments should go to Tim, N9BIL.



The chapter operates in the "Quad Cities" area of Davenport, IA / Moline, IL.

The chapter website is at <https://sites.google.com/site/naqccillowa2/>.

No Report

## NAQCC WESTERN PENNSYLVANIA CHAPTER



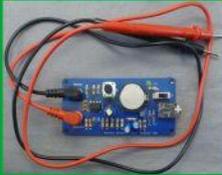
Items in this section are from the Western Pennsylvania Chapter unless otherwise credited. Questions and comments should go to John, K3WWP.

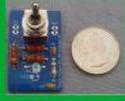
The WPA Chapter has suspended all its activities until further notice because of the virus situation.

# NAQCC PRIZE SPONSORS



Fun and affordable kits from Pacific Antenna

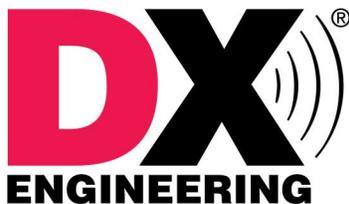


Tracer Injector      Tenna Dipper II

Micro Attenuator      Mini SWR Indicator

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# NAQCC CLUB INFORMATION

## STATEMENT OF PURPOSE

Amateur radio has something for everyone. For a growing number of folks, the challenge of "doing the most with the least" makes QRP (and QRPp) CW operating the greatest thrill available in amateur radio. The North American QRP CW Club Inc. exists to promote and pursue designing, information sharing, building, and operation of low power, Morse Code enabled Amateur Radio (FCC Part 97) equipment with simple wire antennas for both emergency and personal communications purposes, an exciting facet of the hobby.

The NAQCC provides numerous opportunities for hams to operate in QRP/CW activities. For contest types we have a popular monthly 2-hour sprint that runs at relatively low CW speeds and at a fairly relaxed pace to increase code skills and experiment with different antennas. Three special sprints also take place during the year for 160-meter and QRPp (less than 1W of power) operators. For a month-long activity we offer our members a Monthly Challenge that can be anything from forming a list of words from the calls of stations worked, to making a prescribed number of contacts using home-brew gear. There is also an extensive awards program to recognize the significant QRP/CW accomplishments of our members.

We also serve as a resource for people who are just getting started in QRP and/or CW, sharing information on low power Morse operations. Our slow-speed CW nets are a great place for beginners to practice Morse code under real on-air conditions. Beginners will also find a wealth of helpful information on these web pages and we are more than willing to answer any questions about QRP, CW, and simple wire antennas that you might have. An extensive monthly newsletter is filled with useful projects and news from fellow QRPers.

A number of local NAQCC Chapters offer opportunities to get together for in person socializing and QRP/CW activities. Portable operations are especially popular with the local chapters.

Whether you are a veteran ham radio operator who is looking for a new challenge in the hobby, or a beginner who is intrigued by the possibilities of QRP/CW communication, we cordially invite you to join us. Membership is free and the benefits and fun are significant.

## REPRINT POLICY

Unless otherwise stated in the article, local clubs and other ham radio organizations are free to reprint featured articles from this newsletter, provided appropriate credit is given to the North American QRP CW Club and the author of the article. If at all possible a link to the club website at <http://www.naqcc.info/> should be included.

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The North American QRP CW Club Inc., is organized exclusively for scientific purposes within the meaning of Section 501(c)(3) of the Internal Revenue Code of 1986, and the Georgia Nonprofit Corporation Code to advance, promote, and pursue designing, information sharing, building, and operation of low power, Morse Code enabled Amateur Radio (FCC Part 97) equipment with simple wire antennas for both emergency and personal communications purposes. No dues or membership fees - open to any licensed radio amateur or shortwave listener (SWL) worldwide with interest in CW/QRP operation. Encouraging the use of CW and helping all hams increase CW speed and proficiency is a top club priority. Club activities are dedicated to QRP/QRPp operation, using CW and emphasize using simple wire antennas.

The North American QRP CW Club was founded in 2004 by WY3H and K3WWP and now has over 9500 members world wide. Membership is free and anyone interested in CW/QRP operating is welcome. Complete information about the NAQCC, including a membership application, activities schedule, and useful resources, can be found on our website at <http://www.naqcc.info>.

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