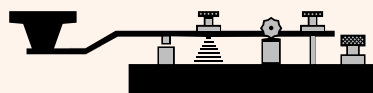


NAQCC NEWS

ISSUE 292 • OCTOBER 2022



KEY CLICKS

• **IN THIS ISSUE**

The Prez Sez... he's OK!; 18th Anniversary events start now; Lots of prizes!; Contact the N3A stations; Final QSO Parties; Using the club call; Member polls; A speedy challenge; DIY Ladder line; Sprint results; A power supply for the 'vintage' QRP rig; Awards; Nets; Chapter updates; and more.

• **18TH ANNIVERSARY FUN STARTS NOW**

It's finally here! Work all the N3A stations, win some great prizes from our \$1,000 stash, Compete in the extra special Sprint with its own prizes, and more. The fun starts on page 3!

• **FINAL MONTH OF THE QSO PARTY CHALLENGE**

Just two weekends and six events left. So far this year 45 NAQCC members have posted 10,879 QSOs in 41 QSO Parties

• **ATTENTION WESTERN PENNSYLVANIA MEMBERS**

One of the top requests in the recent member poll of most-desired club activities was for more local events. NAQCC co-founder John K3WWP #002 says it's time for new management at a chapter with loads of potential. Also, you're invited to operate from a submarine! See page 22

• **YOUR ARTICLE NEEDED!**

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 KD2MX: kd2mx@arri.net

• **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

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THE PREZ SEZ...

GREETINGS NAQCC MEMBERS!

THIS MONTH IS OUR 18th ANNIVERSARY CELEBRATION!!! Our Anniversary Sprint is October 12th (UTC Date – the 11th in NA) and the week of October 9th through 16th is our N3A Anniversary event. WE STILL NEED OPERATORS IN THE 5 AND 6 CALL AREAS!! Please contact Rich KCeMIO hamburger@ptd.net if you can serve! Later this month (around Oct 20th) the Participation points through September 30th will be finalized – make sure you check your points for the prize tiers in our Celebration activities. More information at: http://naqcc.info/main_n3a.html

Many of us here in Florida (yeah, me too) just experienced one of the worst storms to make landfall here and then the South Carolina coast and all the way up to Massachusetts. I did not sustain any real damage, but my OCF wire antenna is down; and I spent 3 days clearing storm debris from my home. I was very lucky; others were not. Some lost everything, including their home. The flooding here was unbelievable. Please keep those folks in your thoughts and prayers.

Our Newsletter Editor Brent WT4U is always looking for submissions for the Newsletter. Send Editor Paul K2DMX an e-mail if you have something to submit or need more information - kd2mx@arri.net

OCTOBER NAQCC ACTIVITIES:

Anniversary Sprint – Wednesday, October 12, 2022, 0030-0230Z- (That's the evening of Tuesday, October 11, 2022 for us here in North America).
<http://naqcc.info/contests.html>

October 2022 Monthly Challenge – The McElroy Challenge - <http://naqcc.info/challenges/challenges202210.html>

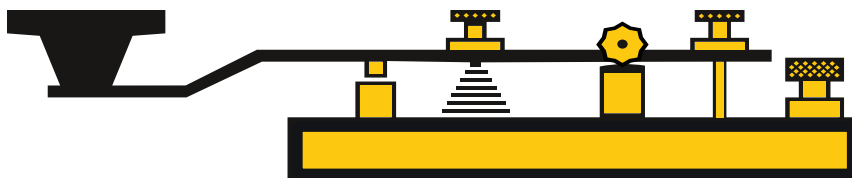
Our Weekly Nets - http://naqcc.info/cw_nets.html

Hope to see you in the Sprints! Stay safe and get radio-active! AND HAVE FUN!

72/73!
Steve Szabo WB4OMM #5913
NAQCC President



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



18TH ANNIVERSARY CELEBRATION

THE FUN BEGINS

We are just a few days from the start of our 18th Anniversary Celebration which will run from 0000 UTC October 9th to 2359 UTC October 15th (Friday evening the 8th to Friday evening the 14th in North America)

We have 24 volunteer operators signed up to put our special N3A/# call sign on the air from all over the US. We can still use more ops, especially in the 5/6 zones and KL7. We also need N3A ops to put the call out in those zones and in the "1" zone during the October sprint. The N3A operators will generally be found near the standard QRP operating frequencies on all HF bands. Their calls, operating times and frequencies will be posted on our spotting page at http://naqcc.info/spot_schedule.php That page will be updated continuously, so check it anytime you have an opportunity to try and work the N3A ops.

PICTURES AND STORIES

I encourage all N3A ops to submit pictures and descriptions of your operations, especially if you were operating outdoors. Let us know what equipment you were using and any unusual contacts that you made.

You can collect certificates for working the N3A ops. More information about the celebration and details on how to get your QSL certificate can be found at http://naqcc.info/main_n3a.html.

SPRINT FOR PRIZES

On October 12th (Tuesday the 11th in North America) we will have our regular monthly

sprint with an anniversary bonus – special prizes valued at over \$1,000 will be given to 10 lucky member participants.

See page 4 for all the great prizes!

As we have done in past years, there are two different tiers for the prize drawing. The top three prizes will be awarded to member-sprinters who have also accumulated a specific number of participation points in the first nine months of the year. The eligibility requirement for the remaining 7 prizes is simply to be a participant in the sprint. Complete details of these eligibility requirements can be found at http://naqcc.info/prize_drawing_18th_anniv.html

Links to the specific anniversary sprint as well as our general spring rules can be found at <http://naqcc.info/contests.html>.

MORE WAYS TO WIN!

Our sprints are a great place for non-contesters to get their feet wet and work many QRP stations in a short time. Even if you don't enter the sprint because the anniversary has already started and you can earn a prize in our monthly challenge. There are three great anniversary prizes valued at over \$200. Challenge details are at http://naqcc.info/prize_drawing_18th_anniv.html.

Have some fun celebrating the 18th anniversary of the NAQCC -the greatest club specifically devoted to QRP/CW operating!

Rich KC3MIO #9942

WIN AWESOME PRIZES!

1ST TIER

- 1st Prize - *Bayou Jumper Rev D* (\$115)
- 2nd Prize - *MFJ Cub QRP/CW Transceiver* (\$150)
- 3rd Prize - *Vibroplex Code Warrior Jr Paddle* (\$130)

2ND TIER

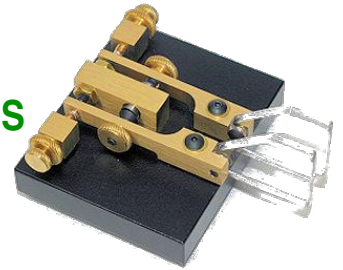
- 4th - *W8DIZ 1 Watter 20M CW Transceiver* (Assembled)
- 5th - *EMTECH ZM-2 Antenna Tuner* (\$100)
- 6th - *Artificial Ground MFJ-9231* (\$90)
- 7th - *End-fed antenna experimenter board* (\$15); DX \$50 Gift Certificate
- 8th - *Crystal Spotter* (\$15); ARRL \$50 Gift Certificate
- 9th - *Crystal Spotter* (\$15); ARRL \$50 Gift Certificate
- 10th - *KB3IFH Gift Certificate* (\$30)



NAQCC OCTOBER ANNIVERSARY CHALLENGE PRIZES

Drawing November 12, 2021

- 1st - *American Morse Porta-Paddle 2 with base* (\$125)
- 2nd - *W8DIZ 1 Watter 30M CW Transceiver* (Assembled)
- 3rd - *End-fed antenna experimenter board* (\$15); DX \$50 Gift Certificate



PRIZE SOURCES

NAQCC

Vibroplex Code Warrior Jr Paddle (\$130);
American Morse Porta-Paddle 2 with base (\$125);
EMTECH ZM-2 Antenna Tuner (\$100)

4SQRP

Bayou Jumper Rev D (\$115); Crystal Spotter (\$15);
Crystal Spotter (\$15); End fed antenna
experimenter board (\$15); End fed antenna
experimenter board (\$15)

MFJ

Cub QRP/CW
Transceiver (\$150);
Artificial Ground
MFJ-9231 (\$90)



DONATION FROM JOHN MORRIS N8RVE

W8DIZ 1 Watter 20M CW Transceiver
(Assembled); W8DIZ 1 Watter 30M CW
Transceiver (Assembled)

DX ENGINEERING

\$50 Gift Certificate; \$50 Gift Certificate

ARRL

\$50 Gift Certificate;
\$50 Gift Certificate

KB3IFH

Gift Certificate (\$30)



18TH ANNIVERSARY N3A STATIONS

WORK N3A STATIONS ALL WEEK

Members will be operating with the N3A special event call starting 0000Z, October 9, 2022 through 2359Z, October 15, 2022.

Track them down and work them all! Check the spot page to see who's working when:

http://www.naqcc.info/spot_schedule.php

N3A IN THE OCTOBER SPRINT

One operator (**in bold**) from each district has been exclusively designated to use the special call in the Sprint that week.

SPECIAL QSL AND CERTIFICATE:

Special QSLs and certificates are available for anyone making contacts with our N3A stations and there is a special certificate for working a sweep of all the available districts. To get your QSL or certificate sending a list of your N3A/# QSOs, including date, UTC and band to the mailing or email address shown below. Please send your list of N3A/# QSOs as simple text. Spreadsheets, ADIF logs, Cabrillo logs, etc. complicate our work. For QSL cards please include an SASE and money to cover expenses (\$1 for up to 4 cards, \$2 for up to 8 cards, \$3 for up to 12 cards) For an emailed certificate there is no cost but if you want one mailed to you there is a \$3 charge to cover expenses. Remember to include your name, call, and address or email address with your request.

Send your requests to: John Griswold,
KK1X, 34 Cambridge St. Ayer, MA 01432
email: awards@KK1X.newt

Call	NAQCC #	Name	Section	Number
W0EJ	2271	Bill Nixon	N3A/0	10000
W0ITT	9113	Gary Freeman	N3A/0	10000
AE1N	8910	Layne LaBaume	N3A/1	10001
K1RID	7121	Ed Ridolfi	N3A/1	10001
N2JJF	1117	Denis O'Brien	N3A/2	10002
WB2SMK	9877	Mark Anderson	N3A/2	10002
K2PHD	9194	Jim Kennedy	N3A/2	10002
KC3MIO	9942	Rich Berger	N3A/3	10003
K3WWP	2	John Shannon	N3A/3	10003
WB3FAE	6893	Tom Rice	N3A/3	10003
KC2EGL	1296	Mike Brennan	N3A/3	10003
W3OY	10817	Ray Mafitt	N3A/3	10003
K4KBL	8806	Jerry Pereira	N3A/4	10004
W4LSV	3107	Barry Fluxe	N3A/4	10004
K4BAI	644	John Laney	N3A/4	10004
KN4OK	11266	Dave Guthrie	N3A/4	10004
KC5F	10148	Steve Smith	N3A/4	10004
AC6ZM	9722	Juan Lopez	N3A/4	10004
Ki4DEF	247	Kevin Miller	N3A/4	10004
W4CMG	10520	Cathy Goodrich	N3A/4	10004
N5GW	5353	Gene Warren	N3A/5	10005
N7CQR	4040	Dan Presley	N3A/7	10007
W3IQ	8511	Bud Householder	N3A/8	10008
N8XMS	675	Paul Huff	N3A/8	10008
K8NGW	8949	Fred Schebor	N3A/8	10008
KC9IL	7610	Warren Pugh	N3A/9	10009
K9DRP	9548	Don Pine	N3A/9	10009
AC6ZM	9722	Juan Lopez	N3A/KP4	10013

NAQCC STATE QSO PARTY CHALLENGE UPDATE

FINAL MONTH!

We've rounded the final turn and entered the straightaway with just two weekends and six QSO Parties left. Multiplier power will really boost scores in the final rounds.

If you haven't been participating, it's still a great chance to test the waters and be ready for next year.

GRAB THAT MULTIPLIER!

Even if you can't spend much time on a given event, fire up the rig long enough to grab two quick QSOs to earn the multiplier.

POST YOUR RESULTS

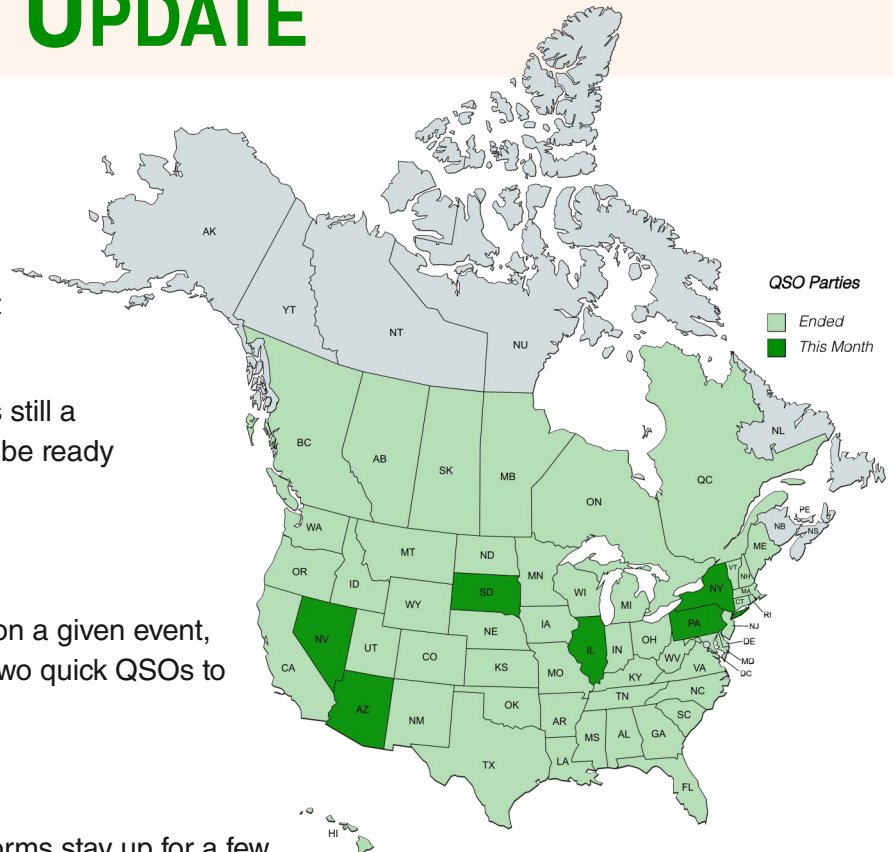
The 3830Scores.com submission forms stay up for a few weeks after the events, so if you've worked parties, but haven't posted your results, get on over there. See page 7 of the [April 2022 Newsletter](#) for a step-by-step guide to help you fill out the form.

STATS

So far this year 45 NAQCC members have posted 10,879 QSOs in 41 QSO Parties

LEADERBOARD

Member	Mult	QSOs	Score	Award	Pace
Alan KR4AE, #5847	31	1,490	46,190	Platinum	60,698
Mike W7LG, #10391	40	793	31,720	Platinum	41,683
Don VE3DQN, #5846	38	570	21,660	Gold	28,463
Brent WT4U, #9019	39	553	21,567	Gold	28,341
Dave AB9BZ, #9309	35	391	13,685	Gold	17,983
Rick KY0Q, #9647	27	473	12,771	Gold	16,782
Anthony K8ZT, #412	29	345	10,005	Gold	13,148
Dale WC7S, #272	12	578	6,936	Silver	9,115
Bob N2EIM, #10373	16	239	3,824	Bronze	5,025
John W2QL, #8914	16	191	3,056	Bronze	4,016
Will NQ2W, #4839	8	295	2,360	Bronze	3,101



UPCOMING EVENTS

State	Times	IN	Out	Freqs	Links
Nevada	0300Z, Oct 8 to 2100Z, Oct 9	RST County	RST ARRL/ RAC sec	1815, 7025-7035, and 40 kHz up	Rules
Arizona	1500Z, Oct 8 to 0500Z, Oct 9	RST County	RST ST	1812 & 48 kHz up	Rules
Pennsylvania	1600Z, Oct 8 to 0400Z, Oct 9, and 1300Z-2200Z, Oct 9	QSO# County	RST ARRL/ RAC sec	1810 & 40 kHz up	Rules
South Dakota	1800Z, Oct 8 to 1800Z, Oct 9	RST County	RST ST	1.830 & 40 kHz up plus 7.100 & 14.100	Rules
New York	1400Z, Oct 15 to 0200Z, Oct 16	RST County	RST ST	contest bands	Rules
Illinois	1700Z, Oct 16 to 0100Z, Oct 17	RST County	RST ST	contest bands	Rules

HOW TO PARTICIPATE

1. Work the QSO parties. Rules differ slightly by state, so check those. Work at least two stations in each QSO Party.
2. Post a summary of your results for each QSO Party to the appropriate page on <https://www.3830scores.com>. The links to the submittal forms are in on the left side of the page in yellow.
3. Under "club" choose "other" and then type in NAQCC. If enough people do that we can get added to the pulldown menu. If you're already committed to another club, don't worry about it. It won't affect our friendly competition, but it's nice to get NAQCC some visibility.
4. Some QSO Parties lump CW together with digital or other modes. If that happens, send a note to QSO Party Challenge Manager Don VE3DQN

at don@hekman.net and let him know that you worked strictly CW, or if mixed, how many of your contacts were CW.

5. Check the NAQCC Newsletter each month to see how everyone is doing.

NOTES

Individual QSO Parties will do their own official scoring based on uploaded Cabrillo logs. We're just looking at the summary you post to 3830scores.

To participate, you must enter as a QRP station. You don't have to limit yourself to CW operation, but only those QSOs will count toward the NAQCC QSO Party Challenge.

Questions? Read Don VE3DQN's [November article](#) or contact him at: don@hekman.net



N3AQC CLUB CALL

BY JOHN KK4ITX #7249

As of this writing our club Call (N3AQC) has been used five times this year for various events by the Western PA Chapter of the NAQCC, much of the time by OPs; John (K3WWP), Mike, (KC2EGL) and Tom (WB3FAE). They have represented NAQCC with POTA, Flight of the Bumble Bees, Mosquito Hunts and a QRP Demo for the Skyview ARC.

Promoting the NAQCC via use of the club call is available to all licensed club members and its use is encouraged and appreciated. The use of the call can be a part of your outing, not the whole event. To use the call contact me at KK4ITX@arrl.net with the date(s), time(s), Bands to be used, expected OPs and location, and I'll get back to you in a day or so.

I will promote your outing via the NAQCC Groups.io and the NAQCC general news email system. Your event will be posted on the N3AQC

QRZ page and is the official record of the call's use. Please check all postings for accuracy.

CW CLUB RBN SPOTTER

On their last outing I wanted to be sure to catch them so I employed the CW Club RBN Spotter: (<https://rbn.telegraphy.de/>). Use of this spotter allowed me to complete power washing my screen porch and finding the N3AQC POTA group during breaks. Below is as screen print of what you see using the program.

This program uses feed from the Reverse Beacon Network based on a CQ being issued followed by a call sign. The yellow highlights are automatically put in based on your input in the ALERT field. There are too many option to cover here so give the program a try except in a contest where spotting is not allowed.

Frequency	Call	Age	Member of	WPM	
7020.0	OE7HPJ	0	SKCC NAQCC ECWARC HTC	30-31	RN4WA RU9CZD
7041.0	N3AQC	1	FISTS SKCC NAQCC	18	WE9V
10116.1	N3AQC	1	FISTS SKCC NAQCC	19	WW1L
14042.9	N3AQC	1	FISTS SKCC NAQCC	19	K3PA1
7020.0	OE7HPJ	2	SKCC NAQCC ECWARC HTC	30-31	LZ7AA RK3TD S53W
7055.0	K0HNL	2	FISTS SKCC NAQCC NRR QRPARCI	20-21	W3RGA WS3W W2I
7026.5	K2KRG	3	CWOPS FISTS FOC SKCC NAQCC QRPARCI	25-26	W1NT6 KM3T2 W3I
7041.0	N3AQC	3	FISTS SKCC NAQCC	18	W2MV
10116.1	N3AQC	3	FISTS SKCC NAQCC	18-19	WE9V K9LC
14007.1	N0ZHE	3	NAQCC 4SQRP	19-20	K07SS WA7LNUW VE
14042.9	N3AQC	3	FISTS SKCC NAQCC	19	KP2RUM
14051.0	VA7JCF	3	FISTS SKCC NAQCC	15-16	N6WIN7 NU6XB
7020.0	OE7HPJ	4	SKCC NAQCC ECWARC HTC	26	DL1HWS DL8LAS CN
7033.1	AD5A	4	CWOPS FOC SKCC NAQCC BUG QRPARCI 4SQRP	25	K07SS

HAM ALERT

Another program that I have high regard for is Ham Alert (<https://hamalert.org/>). This offering lets you specify a state, call, mode and more and in return you'll get an email alert with the particulars of the last RBN report for the triggers (parameters) you selected. To cut down on an overload of emails be quite specific in setting your triggers.

Here's a place to self spot: 4 States QRP Spots:
<http://www.qrpspots.com/>

My use of the above type programs is to find specific OPs, clubs on the air or states that I might be looking for, otherwise, S&P or calling CQ fits the bill for me..... just remember YOU need to call CQ if you want to show up on the RBN.

If you should need clarification, help, have any comments or suggestions do not hesitate to contact me at

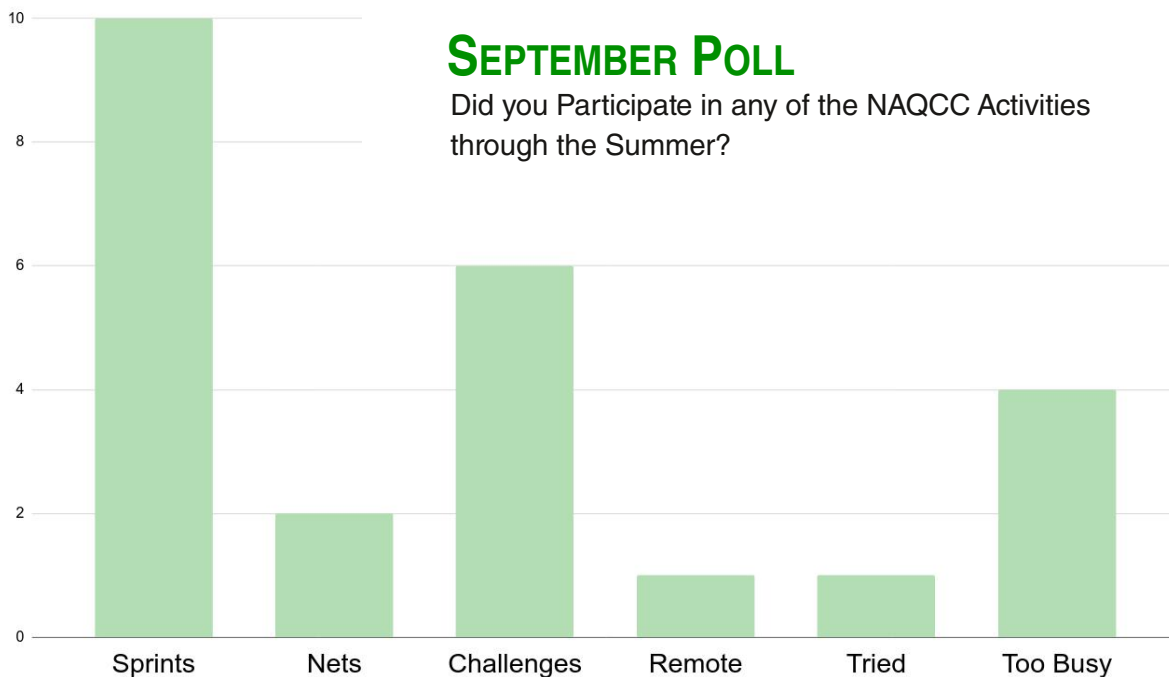
72, John
 KK4ITX@arrl.net



MEMBER POLL

OCTOBER POLL

How active are you with QRP CW, as opposed to other means / modes? Let us know at http://naqcc.info/poll_new.html



SEPTEMBER POLL

Did you Participate in any of the NAQCC Activities through the Summer?



NAQCC CHALLENGE

BY GARY K1YAN #2365

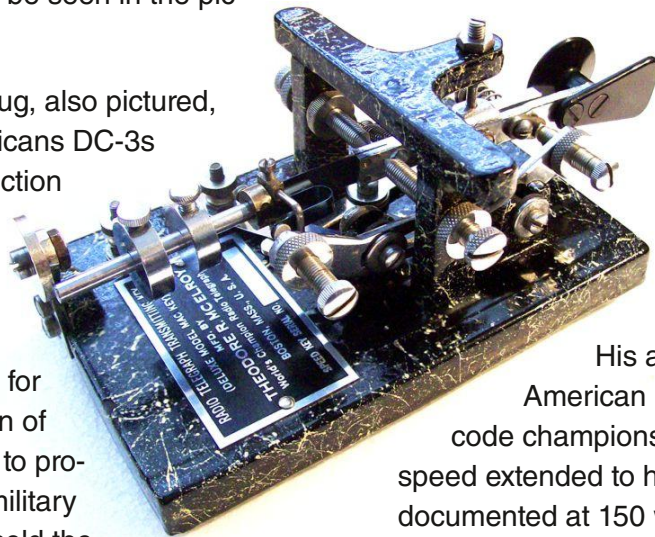
THIS MONTH'S LETTER CHALLENGE: THEODORE R. McELROY

Many companies manufactured their version of the semiautomatic key ... aka the bug. There were also a lot of high speed, award winning, telegraphers over the years. One Boston based company, founded by Theodore R. McElroy, combined both of these things. Starting his career as a messenger boy for Western Union, he learned American morse and was an operator by age 15.

Following WW I, he had learned International morse while working for RCA Transoceanic Wireless. After a stint in Europe, during which he operated in Germany and operated an Alexanderson alternator (see the October 2019 challenge) in Norway, he returned to Boston and Western Union.

In 1934 McElroy formed a company and began making telegraphic equipment. Their first key, the MAC-KEY, began a line of equipment that stretched into the 1950s. Over the years new features were incorporated. A dot stabilizer which preloaded the dot spring and eliminated dot contract bounce was introduced. Some models had a T bar as part of the frame and a clip which held the pendulum, allowing the key to rest on its side and function as a straight key. These features can be seen in the picture above.

The SP-600 teardrop bug, also pictured, was used on Pan Americans DC-3s and was offered with suction cup feet to keep it stable on the Radio Officers desk. The McElroy company won the Army-Navy E award for excellence in recognition of their exceptional efforts to provide equipment to the military during WW II. McElroy sold the



RADIO TELEGRAPH APPARATUS *Manufactured by*
WORLD'S CHAMPION RADIO TELEGRAPHER

NEW SUPER STREAM-SPEED
 PLATINUM Dot Contacts S-600 PC \$11.85

Into this gorgeous speed key has gone Mac's 30 years operating experience supplemented by the finest engineering ability in the radio-telegraph industry ... with their combined efforts coordinated under the styling genius of one of America's outstanding design artists. See it! Handle it! You'll have to own it! Combining beauty and utility in a most striking fashion, this radically new, semi-automatic key is the last word in operating ease. Fast, rhythmic Morse is a real pleasure with this key.

- Streamlined base of special dense alloy. Wt. 4 lbs.
- Teardrop shaped base makes it immovable on table.
- Heavily chromed with bluish tinge to prevent glare.
- Swedish blued steel mainspring and U spring.
- Bronze bearing screws.
- Bronze alloy pistal.
- Bakelite insulation throughout.
- Molded plastic dot paddle and dash button.

STREAM KEY DE LUXE MODEL
 No. 300 at \$3.45 net.
 No. 200 at \$2.25 net.
 No. S-100 at \$1.65 net.

Beautiful teardrop streamlined base with heavy bluish tined chrome. All parts chromed. Finely balanced key lever. 3/16" contacts, designed expressly for these keys. These pretty Streamkeys have a "feel" that makes good Morse easy for any operator.

PROFESSIONAL MODEL, same key but base "black wrinkled." CATALOG No. 200
AMATEUR MODEL, rich black polystyrene base, same lever, and large contacts, circuit closing switch, bronze bearing screws. A beautiful and superbly balanced key at an absurdly low price because of enormous volume. CATALOG No. S-100

PROFESSIONAL MODEL, MAC KEY
 Designed to conform with United States Navy specifications for "speed key." It is just what its name implies: A fine Professional Operator's model Mac Key. Base 3 1/2" x 6 1/2" x 3/4" thickness. Beautifully black wrinkled over Parkerized base casting. Carefully designed super-structure, similarly finished.
 Chromed parts, circuit closer, bakelite insulation, 3/16" silver contacts. A key that will thrill any radio or telegraph operator.

PRACTICE SET CATALOG NO. S-710—\$10.50 Net
 Complete with tube

TUBE #7N7GT
 S-700 OSCILLATOR \$7.50
 SOLD SEPARATELY WITH TUBE

S-100 KEY POLISHED POLYSTYRENE MOLDED BASE CHROMED BRONZE METAL PARTS

110-110 VOLTS AC-DC
 VOLUME CONTROL ON TONE CONTROL
 CAST IRON HEAVY BASE WITH 3 RUBBER FEET. BLACK WRINKLE FINISH.

TELEGRAPHER'S MODEL CHROMED YOKE. CORD.
 CP500 @ \$9.50

MODEL No. F500 \$7.50 NET TO THE OPERATOR

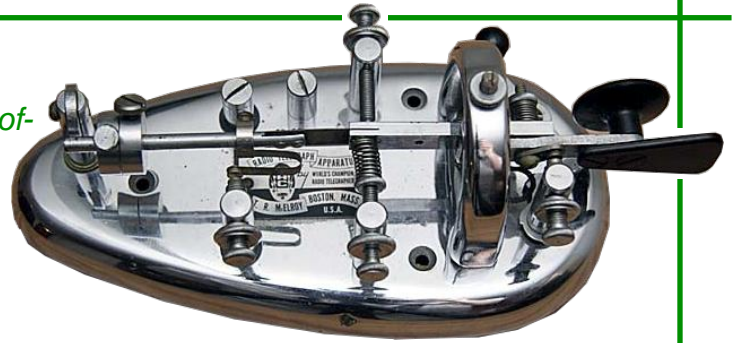
T.R. McElroy 
 82 Brookline Ave., Boston, Mass., U. S. A.

business to the Telegraph Apparatus Company of Chicago, T.A.C., in 1955 and later moved on to other pursuits.

McElroy, the telegrapher, was a speed king. He held the record of 77 wpm copy that stood for almost six decades.

His accomplishments included American Morse and Japanese kana code championships as well. His need for speed extended to his typing abilities, which were documented at 150 wpm!

For a huge collection of information on all things telegraphic, visit "The Telegraph Office" at www.telegraph-office.com. This is an excellent site by K5RW, Neal McEwen, from which much of the above information drawn.




WORDS

- THEODORE R MCELROY
- WESTERN UNION OPERATOR
- MAC KEY
- SP600 TEARDROP BUG
- DOT STABILIZER
- ARMY NAVY E AWARD

CHALLENGE TRACKER:

0	6	A	B	C	D	E	G	H	I	K	L	M	N	O	P	R	S	T	U	V	W	Y	Z	

X 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. You can download a printable version of this month's tracker at: http://naqcc.info/challenge_tracker.pdf

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

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://naqcclatters.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

Subject: (your call) NAQCC (month year) 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

NEXT MONTH'S CHALLENGE

Orient yourself to the November Playing Card Map Challenge.

<http://naqcc.info/challenges/challenges202210.html>

LAST MONTH'S CHALLENGES

The deadline for submissions for the Castell letter challenge is still a few days away. You can see what has been submitted so far at <http://www.naqcc.info/challenges/challenges202209.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_schedule.html.

Number of Challenges	Members
25+	KU4A N1JI K9OSC KD0V KA5PVB N4OW KB1M WY3H WY7N AC2C VE3HUR DK1VD KI4IO N1LU KD2MX
50+	PA9CW VE3FUJ W15H NF1U WA2FBN AK3X W3IQ KJ4R VE3DQN G3JFS AH6AX N9SE WB4OMM
75+	PA0XAW
100+	K1IEE
125+	K1YAN
150+	W2JEK K3WWP N8XMS

CHALLENGE SOAPBOX SAMPLER

ON7DQ - This time I struggled several days to find the last four T's, but thanks to two SOTA activators (F/DL9TX and TK/DL8CX) I finally got them. Great fun each month! 73 de Luc

W1ND - Traveling tomorrow to Slovenia so getting my challenge calls in. So far the QRP A Day streak has held. Will be a challenge next week while traveling (as S5/W1ND)

K18I - This is a first for me, I worked only POTA stations to get all of the letters for this challenge. I think that made it a little more difficult but it was still fun. I will continue working POTA stations to complete the challenges in the future which means I may not finish them but it will still be fun. Thanks for creating them. 72, Dave

N8BB - Wow, this was a whole lotta letters this month. Had me worried at first but it all came together. I have been idle for several months with my new hobby of bird photography but am back on the bands again. Thanks to everyone that helped. Werner



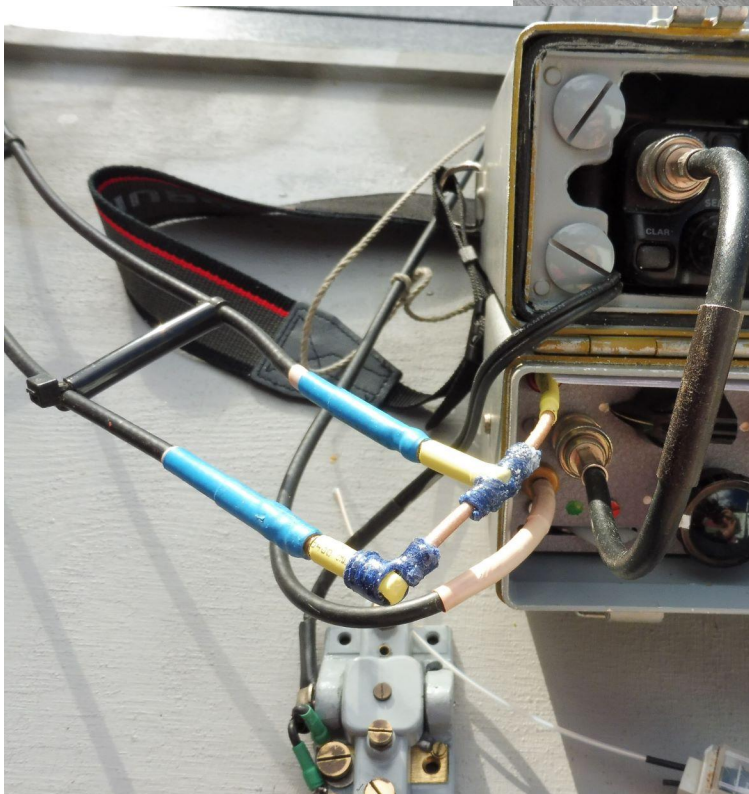
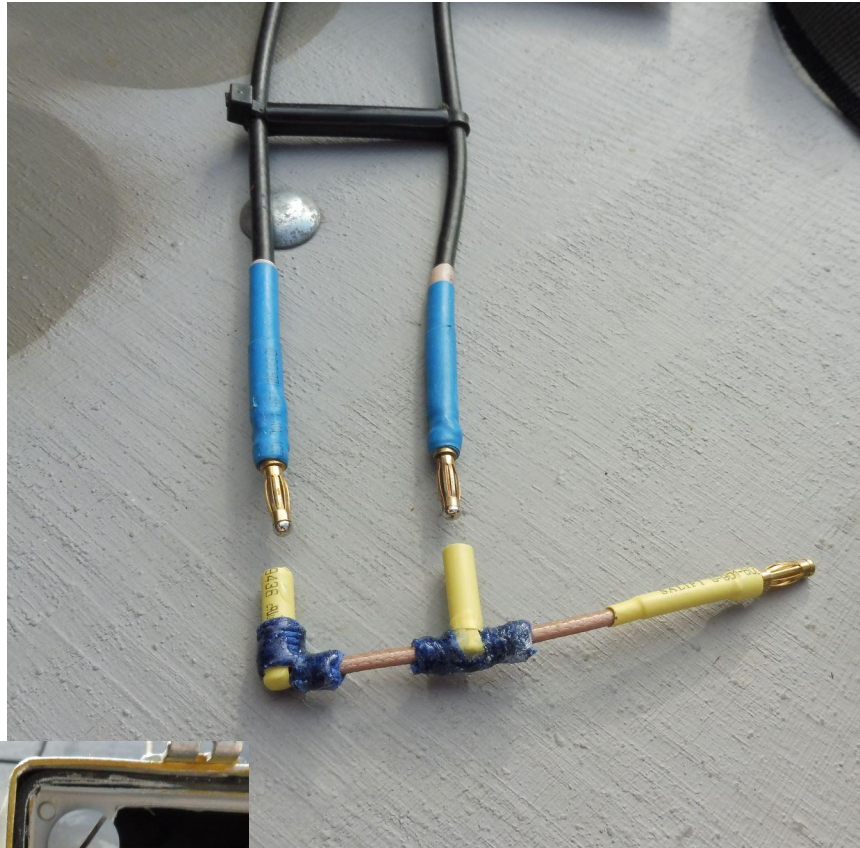
DIY LADDER LINE

BY DIJON SA3BOW #6935

Using a DIY ladder line is both a practical, and a nearly lossless way, to feed an antenna. The simplest layout is to end feed any wire.

If the wire is horizontal, and the ladder line vertical, then you get an important bonus: all of the radiating part is hoisted high. Sometimes this set up is called, rightly or wrongly, a Zepp-antenna.

Sometimes an ATU with limited range will leave holes, or even lose an entire band, when the setup is far from the transmitter's liking. Three workarounds are at hand:



1. Add some wire.
2. Add some ladder line. As little as a few feet might do nicely
3. Shorten the ladder

When the antenna and ladder is already up in the air then shorting is very simple. Just use a small gadget like the one I made (see photo). It takes up no space in the amateur wizard's tool box. This will turn your set up into an inverted-L antenna.

Dijon SA3BOW

NAQCC SPRINT

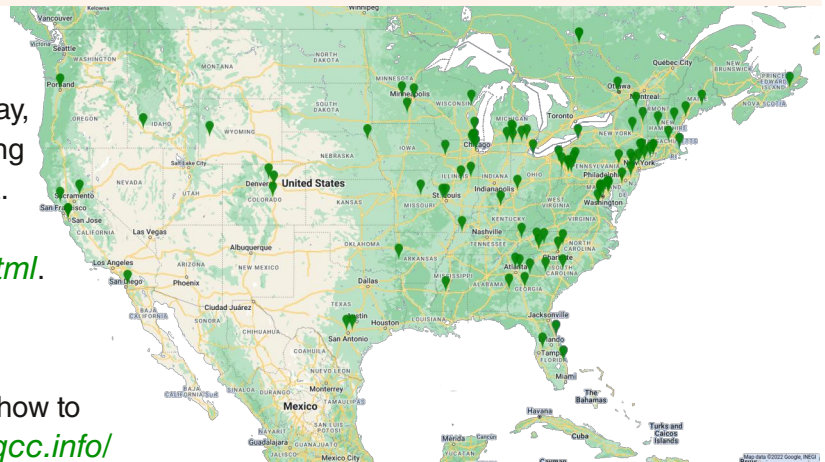
OCTOBER SPRINT

Our Sprint this month will be on Wednesday, October 12 0030-0230 Z. That's the evening of Tuesday, October 11th in North America.

Complete information at <http://naqcc.info/sprint/sprint202210.html>.

RULES

Complete sprint rules and instructions on how to submit your log can be found at 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.



101 September Sprint spots

SEPTEMBER SPRINT RESULTS:

Complete Sprint results, including all of the soapbox comments, can be found at <http://www.naqcc.info/sprint/sprint202209.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: K6MDG, N4JAW, KC1NDI, & N3CAA

September Sprint				
	Current Month	Previous Month	All-Time Record	Record Date
Logs	101	86	217	4/17
Participants	151	113	269	2/13
Total QSOs	1687	921	3154	4/17
Hour 1 QSOs	912	580	1704	4/17
Hour 2 QSOs	775	341	1450	4/17
20m QSOs	367	91	1232	8/13
40m QSOs	1261	800	2203	4/17
80m QSOs	59	30	1417	2/13
Avg QSOs/Station	16.7	10.7	19.3	9/11

SWA STRAIGHT KEY CATEGORY			
Division	1st	2nd	3rd
W1	AC1KV	N1BRI	WB1GYZ
W2	WA2NYY	KA2KGP	W2SH
W3	K3JZD	KC3MIO	AK3X
W4	KC5F	WG8Y	KG4IKQ
W5	AC5RN	N5GW	KE5YUM
W6	A16SL	W6IRA	W6STR
W7	KJ7KDB	-	-
W8	W8GG	N8BB	NF8M
W9	WB9HFK	N8HWV	K9QEW
W0	N0TA	NN0SS	N8LA
Canada	VA3NU	VE3IIM	-
DX	-	-	-

SWA BUG CATEGORY			
Division	1st	2nd	3rd
W1	-	-	-
W2	WB2LQF	-	-
W3	NN3E	K3RLL	K3WWP
W4	KY4ID	KJ4R	N4JAW
W5	-	-	-
W6	-	-	-
W7	N7QR	-	-
W8	K8NGW	-	-
W9	-	-	-
W0	KD0V	-	-
Canada	VE3HUR	-	-
DX	-	-	-

SWA KEYER/KEYBOARD CATEGORY			
Division	1st	2nd	3rd
W1	N2CN	KC1NDI	KB1M
W2	K2OID	N2ESE	-
W3	KW2A	KC3RN	AC5XK
W4	K4BAI	N4MJ	K4KBL
W5	-	-	-
W6	-	-	-
W7	KF7Z	-	-
W8	WI8J	WA8SAN	NG8S
W9	NN9K	KC9IL	K9EYT
W0	KC2MJT	-	-
Canada	VE3DQN	VE3GNU	-
DX	-	-	-

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

FIRST-TIME ENTRANT HIGH SCORE			
Key Type	1st	2nd	3rd
SK	K6MDG	-	-
BUG	N4JAW	-	-
K/K	KC1NDI	N3CAA	-
PRIZE DRAWING WINNER			
KG4IKQ			

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.

Number of Sprints	Members
50+	WB1GYZ KF7WNS KJ4R KC7DM AA0W N7QR KB0ETU NN0SS K2YGM AA7CU VE3GNU WD4OHD K4KBL N8QY WY3H K6CSL W5UAA AB8FJ WK6L KC2EGL K2HT KE9DR NN9K K1IX K4ORD K5GQ N1JI W4HH KB4QQJ KB9ILT WA2NYY AA5LH N8HWV
75+	N8LA KQ1P K4NVJ KD3CA K9EYT K9OSC VE3FUJ WD0K WB4OMM N8BB KB1M N2CN WA1GWH K6MGO VE3DQN NF5U WA2FBN WB9HFK N8APO WI5H NQ2W
100+	K1IEE K4KRW W4DUK AA9L AK3X KD2MX NO2D N5GW NA4O KN1H WB8ENE KA9FQG N4MJ
125+	K2CWM K4JPN KD0V N4FI N2ESE KE5YUM WX4RM WA8SAN WG8Y N0TA
150+	W9CC K4BAI N8XMS NF8M K3RLL KU4A
175+	W2JEK W2SH W8GG
200+	K3WWP KA2KGP

SPRINT SOAPBOX SAMPLER

KC2MJT - The propagation gods were smiling tonight. Quietest cndx I've had in a year. Thanks all!

KJ7KDB - Thank you NAQCC for having these events. The fear of getting on and trying for contacts seems easier each time. Still notes to learn, but great fun! Heard quite a few east coast stations but couldn't make a contact. Plugging away with the Xiegu G90 @ 5 watts and J38 straight key. 73 de KJ7KDB Tim

WB4OMM - Got a late start at 0115Z, but was able to get on the air quickly. Made a few on 20M before it died, went to 40M and made several more. Tried 80m and was pleasantly surprised to work recently new member N1BRI #11181 in CT! Some QSB and lots of noise and he was the only signal I heard. Glad to work what I could....and I had a blast as usual! 72 to all, hope to work you in next month's 18th Anniversary Celebration Sprint! Steve

K2CWM - Nice easy going sprint. I usually hit the QRZ button to read profiles of new contacts... just part of the hobby for me. Ran my 14-yr old IC-7000 at 5 watts to a vertical on roof using my 1943 (almost as old as I am hi hi) Lionel J38. Thanks all for the fun contacts. Curt

KY4ID - As usual, great night and great ops. This is my favorite regularly occurring event by far. My operating experience tonight was greatly enhanced by the Vibroplex bug that fellow NAQCC member, Eddie (KJ4R) graciously gifted me. It has easily become my favorite key. Thank you again my friend. Worked 3 11xxx series ops - AC1KV, KN4RQD, and N1BRI. Welcome!! Also worked many friends. Thank you for the Qs and see you next time.



'VINTAGE' QRP UPDATE

BY HARRY KM3D #2449

I presented a write-up of a vintage QRP transmit-receiver built from an August 1952 QST article for the March, 2022 NAQCC newsletter. Since then I have finished the almost matching but serviceable power supply; it is a pretty basic circuit.

The transformer provides 550V center tapped, along with 5 volt and 6.7 volt filament voltages. The rectifier tube is a 5U4GB dual diode tube and the other tube is an OD3 150 volt regulator tube. With the full wave circuit it provides 275 volt B+ along with the 150 volts regulated.

I used the trim that was leftover from the radio construction but did not have the nice grill material for the lid. When I checked prices I was



shocked to see that a sheet of the grill material would cost me over \$40. Instead I used window

screen material as I knew the cosmetics would not match the radio exactly anyway. The rear panel is a piece of scrap lexan and lets one peer onto the chassis.

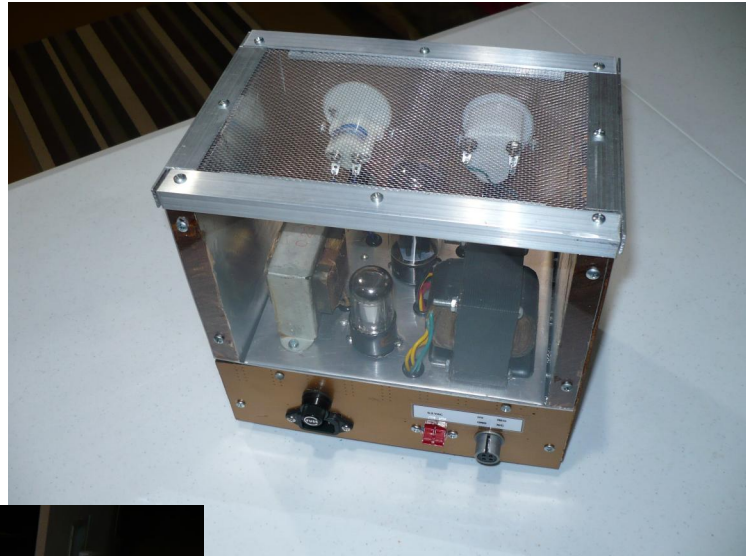
Calculating component values for the proper current handling of the regulated voltage was an interesting exercise. Many a ham was very grateful when the zener diode became readily available!

The three toggle switches on the radio were re-wired so that the first turns on power for the transmit os-



cillator, the second for the transmit amplifier, and the third for the receiver. I am using the 150 volts regulated for the receiver and the higher voltage for the transmitter, which now has about double the transmit power of a little better than two watts.

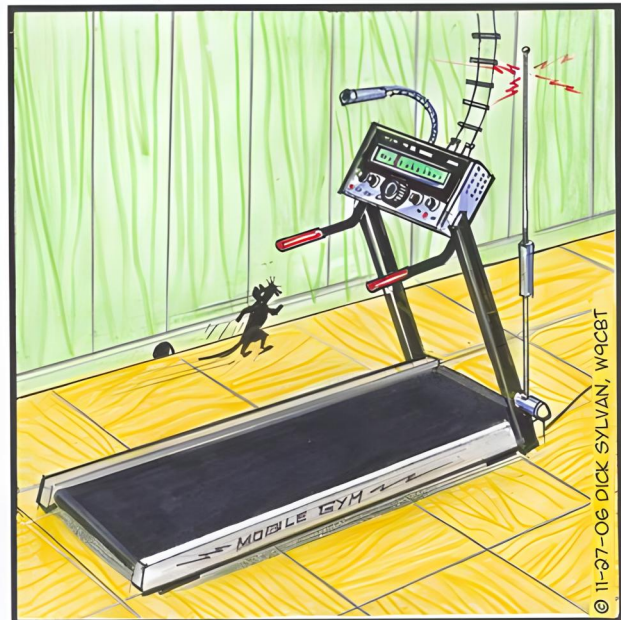
So next it is back to tweaking and modifying the radio. For now though, I have a decent power supply to power this and the next vacuum tube QRP projects—and I do have some ideas!



Ham Quips

DICK SYLVAN, W9CBT

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.



AN END TO 'QSO-BESITY

NAQCC AWARDS

FEATURED AWARD:

WAC

It's just the classic Worked All Continents award with some modifications for QRP/CW.

TIME FRAME FOR QUALIFYING QSO's:

January 1, 2004 0000Z through the present

BASIC AWARD PREMISE:

Contact all 6 permanently inhabited continents (AF,AS,EU,NA,OC,SA) within the time frame using QRP, CW, and simple wire antennas.

CATEGORIES:

- A - 6 continents.
- B - 6 continents 2X QRP
- C - 6 continents QRPp

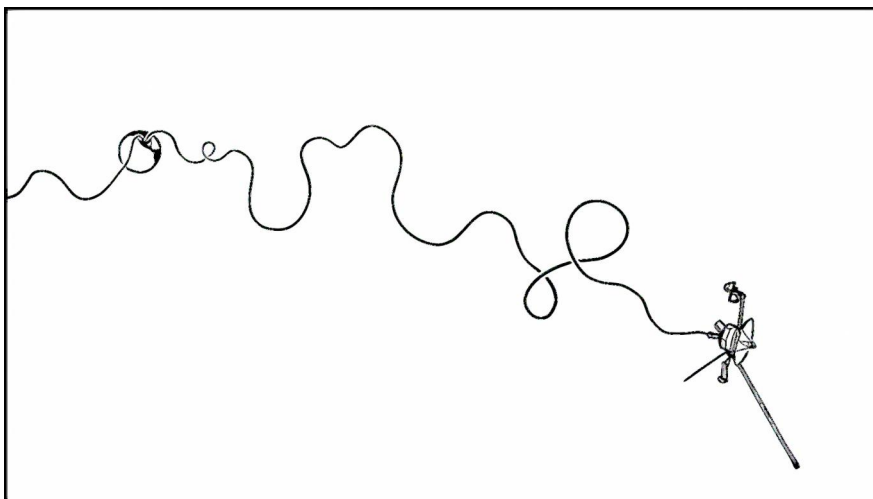
RECENTLY ISSUED AWARDS:

1000 MPW AWARD

Nr	Call	Stn worked	MPW	Award Date	Antenna
0605	AB9BZ	K4BAI	1,315	09/16/22	EFHW
0604	K7DRQ	F4WBN	1,040	09/03/22	44' Doublet @30'



Awards earn you participation points so you're eligible for the best prizes in the annual anniversary drawings.



xkcd.com

SAD NEWS: DUE TO HIGH COPPER PRICES AND BUDGET CONSTRAINTS, NASA MAY FINALLY HAVE TO CUT THE WIRES THAT THEY'VE BEEN SPOOLING OUT TO COMMUNICATE WITH VOYAGER 1 AND 2.

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. 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)
Wyoming Daily QRS 80 Meter Net (WY80)	Inactive			Steve KE7UUJ (WY)

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.

NET CONTROL STATION REPORTS

NAQCC PACIFIC NORTHWEST QRS 80 METER NET (PNW80)

Thursday evenings 7:00 PM PDT, which is Friday 0200 UTC on 3556.5 kHz +/-
Main NCS - Stewart KE7LKW (Washington State)

Sep 02 – QNI (7) WB7WHG, AD7BP, KE7LKW, W7ANM, K8SAT, SB4SPB, K7JUV

Sep 09 – QNI (6) NCS KE7LKW, NB6M, WB7WHG, AD7BP, W7ANM, K7JUV

Sep 16 – QNI (7) NCS WB4SPB, AD7BP, WB7WHG, K7JUV/p, N7TB/p, W7ANM/p, KE7LKW/p

Sep 23 – QNI (5) NCS KE7LKW, WB4SPB, WB7WHG, AD7BP, K7JUV

Sep 30 – QNI (5) NCS WB4SPB, AD7BP, WB7WHG, W7ANM, KE7LKW/p

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

Sep 05 – QNI (0) - W0CC

The usual QSB; however, no QNI. Next week!

Sep 12 – No Net

Sep 19 – No Net

Sep 26 – No Net

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)

Sep 06 – QNI (5) NCS KA5TJS, KE5YUM, KE5YGA, N4NN, KA6J

The conditions were very good tonight. YUM was 559 and just above the noise but the other 3 were all 599. Good net for a holiday for sure.

Sep 13 – QNI (3) NCS KA5TJS, KE5YUM, KE5YGA

Had some bad digital QRM on the regular freq. and moved up to 7068 kHz. Terry and Andy made it. Don't know if anyone else tried and could not find us. Signals were good from both.

Sep 20 – QNI (4) NCS KA5TJS, KE5YGA, N4NN, N5CTC

The band was real good last night with a little Digital QRM but it did not last long thank goodness. YGA and NN were both 599 last night with low QRN. CTC checked in from Ft. Worth but did not respond when called. He is back after many years of QRT and working from a high-rise apartment building. He is just getting his station set up. I have been trading emails with him for a while. He is the custodian of the KS5KCC call sign that was used for the SKCC WES this month. Welcome back Tommy!

Sep 27 – QNI (4) NCS KA5TJS, KE5YUM, KE5YGA, N4NN

YUM was very weak this week. Could just hear him and asked for QRO but he was on the FT 817. YGA was 599 and NN also with some QSB. Someone fired up on NN toward the end and got some of my copy, but he did not hang to long. Also, some digital QRM again.



NAQCC CHAPTERS

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 WESTERN PENNSYLVANIA CHAPTER



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

FROM JOHN K3WWP #002

The time has come for some major changes to the Western Pennsylvania Chapter. After it was organized, it thrived rather well but gradually it became harder and harder to keep members interested in our chapter activities. Then along came the COVID scare and it became impossible to get folks to want to go to any chapter activities. That pretty much foretold an end to the chapter. Also there were changes in my life that led to a decline in interest in "running" the chapter. Thanks go to all those who did actively support the chapter in its early years. I think it would be

interesting to look back on the chapter history as presented in the newsletters. We did quite a lot of things to promote CW and QRP, and described them in the newsletters, especially before about 2017/2018.

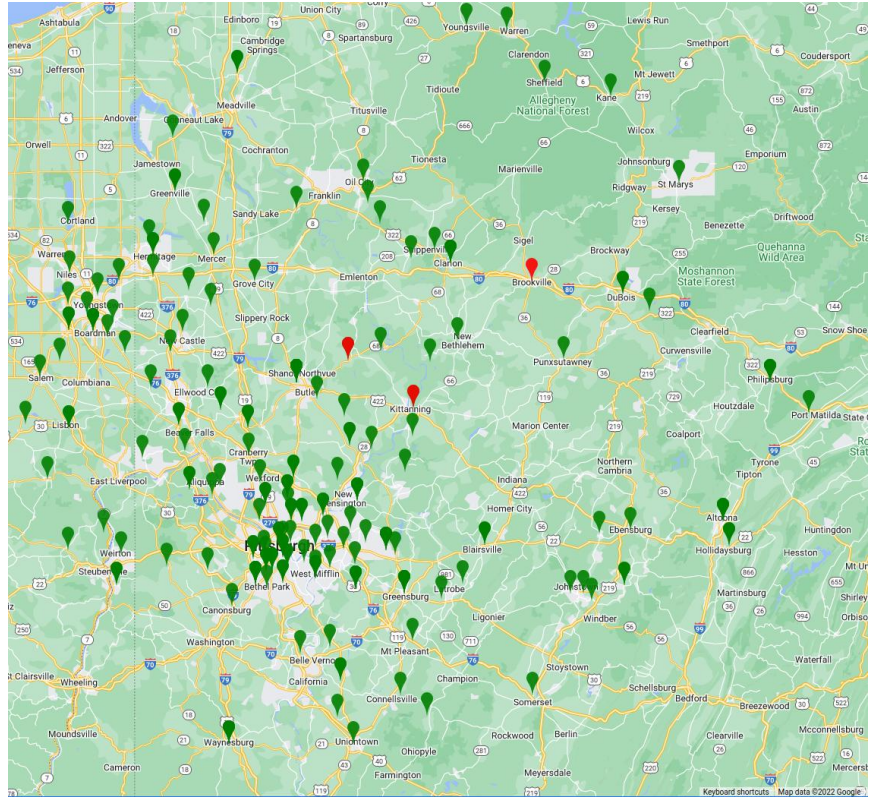
Now however, time has come as I said above for change. There are two ways the chapter can go.

1. It can simply be disbanded completely. As far as activity goes, that has pretty much already taken place. Only Mike KC2EGL, Tom WB3FAE, and I get together informally for some activities. We don't even consider them as chapter activities worth reporting in the newsletters.

2. Someone can contact me and tell me they are interested in taking over the chapter and trying to reorganize it and build up activity again. If that appeals to you, simply email me and let me know. I'd love to see that happen, but other than being an ordinary chapter member, I have no interest in taking part in running the chapter.

OK, I've laid out the plan. The ball is now in your proverbial court.

Meanwhile if you are interested in what Mike, Tom, and I are up to such as when we will be operating from the sub Requin, doing a POTA operation, etc., you can read the diary on my web site at k3wwp.com.



Are you on this map? Active WPA members in red

Thanks,
John K3WWP

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/>.

NAQCC-WFL & HCARA QRP Event
Delta Woods Park
Sept 17, 2022

Attending:

Ron, N9EE
Mark, KD4ZYA
Doug, N8QY
Rich, KI2X

IC705 and 20m End Fed Wire with 20ft flag pole
X6100, IC7100 and 20m BuddiPole Vertical & Icom AL-705 Mag Loop
G90 HF rig, just got last Wednesday, 65ft End Fed in 60ft tree.
FT991 with 40m HamStick vertical and generator

Arrived at Dealt Woods Park around 8:30 after having breakfast with HCARA members at Biqins BBQ.

LOGS

Ron, N9EE with IC705, 10W and 35 ft end fed wire.

TIME	CALL	RST/MY	FREQ	COMMENTS
0958	K1JP	559/449	18.0825	FL
1001	N2RR	599/589	18.074	Bill, NY
1036	N5JJ	599/599	14.032	TX
1049	N5RZ	599/599	14.037	Gill, TX
1059	K5OT	599/599	14.036	TX, BLRN
1101	K5CM/M	599/599	14.0395	OK, mobile CW
1103	WIOWA	599/599	14.0495	IA, TAM/POW
1106	AD0RW	599/599	14.0417	IA, JOH
1114	W0CCA	559/549	21.022	CO
1125	GB6OUS	579/599	21.027	England
1131	WB9UGX	589/559	14.053	Brian, IL, 12 min QSO, in-laws use to live in Spring Hill, FL
1145	W0MJC	559/?	14.053	MO
1151	WA8ZBT	599/599	14.044	TX, TQP, BALS
1208	NJ2OM	599/599	14.036	NJ, TQP, MORE
1212	N2MM	599/599	14.043	NJ, NJQ, BURL
1222	W7QC	599/599	14.049	WA, KING
1225	KZ2I	599/599	14.051	NJ, NJQP, ATLA
1231	WA5LHM	599/?	14.054	TX, WMSN

Rich, K12X with FT991 with 40m HamStick in Biqins parking lot.

In Biqins parking lot after breakfast in Rich's mobile.

1150	WA2TAW	599/599	40m	NY, Dave
1200	K1MBF	599/599	40m	TN, Larry
1210	K4QZB	599/599	40m	AL, Jim

At Delta Woods Park setup at the shelter.

1259	W4RAZ	599/599	40m	VA, Bob
1330	WB4DKF	599/599	40m	FL, Dick
1426	K4DI	599/599	40m	GA, Jim
1443	K5GA	599/599	40m	TX, Bill
1449	K4BAI	599/599	40m	GA, John
1520	K5FP	599/599	40m	TX, Fred

At 1530 rm band dead.

Doug, N8QY with G90 and 65 ft end fed antenna.

1540	W5CGC	?/79	14.327	
------	-------	------	--------	--

Bands were not so good until around 10:30 when both 15 & 20m opened. 17m was somewhat active. Mark, KD4ZYA was working with his BuddiPole vertical and Icom Mag Loop antennas. The Icom AL-705 Mag Loop \$330 antenna did not perform at all, BuddiPole much better on receive. The AL-705 is like a 2 ft dia loop and tuning was very narrow.

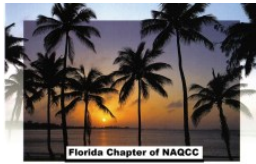


Rich, KI2X brought a gas powered generator for his FT991 and 40m HamStick vertical.

We were packed by 1300 hrs. Had a very good time.



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>.

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.

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.

NAQCC ILLOWA CHAPTER



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

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

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

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>.



NAQCC PRIZE SPONSORS



Fun and affordable kits from Pacific Antenna






Tracer Injector Tenna Dipper II

Micro Attenuator Mini SWR Indicator

See our selection of quality kits starting at \$5
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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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