



Results – 2018 Minnesota QSO Party

Featured Articles:

- MNQP by the numbers.....
Page 2
- WX4MT- Using MNQP as Emergency preparedness exercise
Page 3
- Profile – AAØAW
Page 5
- NØBK – Wild Rice donor appreciation
Page 6
- MNQP Scramble NØS/NØM
Page 6

MNQP Results:

MN Scores	7
W / VE Scores	10
DX Scores	14
Club Results	14
Soapbox	16

20th Annual MNQP

Thank you to everyone who joined in on celebrating our 20th year of sponsorship of the Minnesota QSO Party.

Saturday February 3rd started out with single digit temperatures in the northern half of Minnesota, on the eve of **SUPERBOWL - LII** being played in Minneapolis. Mother Nature gave us snow and blowing snow for most of the day for the northern half of Minnesota. Being one of the mobile participants, I can attest to often complete white-out conditions after an oncoming vehicle would pass. For the day MNDOT reported 400+ accidents, and 229 spinouts. Fortunately, all of our mobiles avoided the problems the weather was causing. Some participants have requested that we extend the operating hours of the event more into the evening to allow for more favorable band conditions using 40 and 80 meters, but considering nighttime travel under these conditions, I think the mobile operators were happy to be back in a warm home for a hot meal.

In the weeks leading up to our 20th year of MNQP, many ideas were tossed around about a unique way to celebrate our 20th year of sponsorship of the Minnesota QSO Party. Other QSO Parties (Kansas) have used special event 1 x 1 call signs, and used those to spell words of significance to the state. We decided to go with this idea. Once the ball got rolling with this, it quickly became evident we needed some central coordination on applying for and using these 1 x 1 calls. We hoped the selection would allow the maximum use of the letters on each mode. Soon our coordinator suggested the unthinkable; "Can we activate all 75 possible call sign combinations?..... I don't think that has ever been done!"

We were poised for a weekend of "first's"; Incorporating FT-8 QSO's into a scored HF operating event, activating all possible zero district 1 x 1 call sign combinations in a single event, and seeing our Minnesota Vikings playing in their home stadium for the Super Bowl. The incorporation of FT-8 went well, with a bit more activity than was anticipated. As for the special event call signs, 74 of the 75 1 x 1 calls were activated, with only one bowing out due to a family emergency. That is still likely the largest single event 1 x 1 activation to date. As for the Minnesota Vikings; well maybe next year,,,,,,,,,

As sponsors, we are already looking ahead to 2019 to look for ways to make next year's event even more enjoyable. We hope you mark your calendars, and we look forward to your participation once again.

73 - Mark WAØMHJ

MNQP: By the Numbers.....

312 MNQP entrants easily set a new participation level, surpassing the previous high in 2013. Two years of decline after 2013, but there has been a steady increase in received logs in every year.

Of the 312 total logs, there were **122** Minnesota stations submitting logs, and **190** non-Minnesota logs.

We processed **33,750** lines of QSO data. The table below showing the QSO breakdown by band, and clearly shows the woes of the band conditions we were faced with. 10M and 15M continue to be non-existent.

Our ratio of CW vs. Phone QSO's is fairly balanced, with about **10%** more CW QSO's.

Once again all 87 Minnesota counties were activated.

Although no one was able to land all 87 counties in the log, were had four Op's who managed at least 80. **N2CU (83)**, **WX4MT & KØAP(81)**, and **K1RO(80)**. The large county map at WX4MT had one they forgot to color in! (See page 3) The top in-state county hunter was **NØW** with **59** counties.

Missing a county this year was likely due to just unfortunate timing. Only four counties produced less than 40 QSO's: **LKW(37)**, **NOR(27)**, **WAD(24)**, and **MCL(22)**

If every person who stopped by, even just to make a single QSO had sent us a log, we would

have been processing just over **3,700 logs!!**

For the Minnesota stations that have 150 multipliers to search for, the only ones not to show up in any log were: **DC, NU, NT, & PE**. Participants from 7 states and 6 provinces missed an opportunity for wallpaper by not submitting a log.

The top MN golden log was **KØW (ACØW)** with 529 QSO's, followed by **KØB (AEØEE)**, and **NØN (KØKX)**.

Top non-MN golden log was **KØAP** with 163 QSO's, followed by **NWØM**, and **K9NW**.

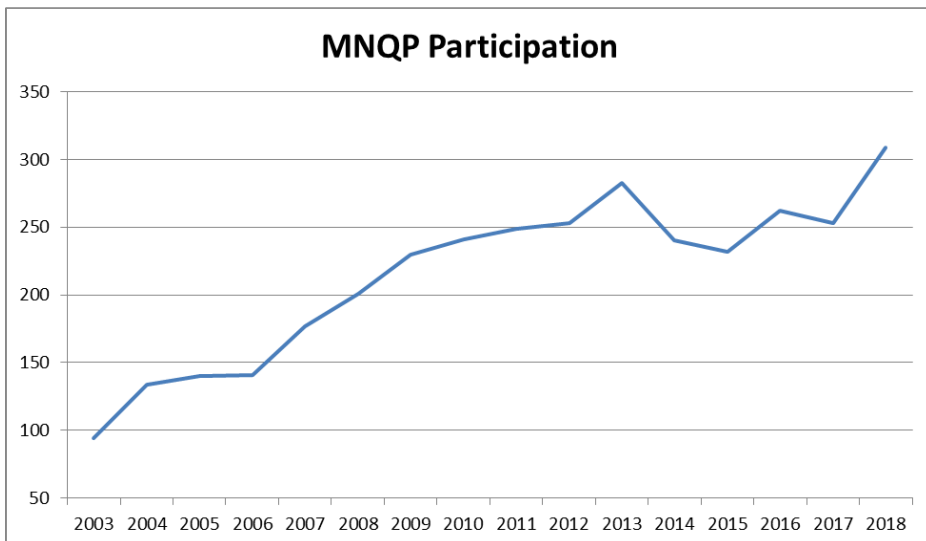
There were 34 submitted logs for QSO's in **FT-8** mode representing **611** total QSO's. **WØN** was top MN log with 93 Q's, and **KF7PBM** was top non-MN

with 22 QSO's. FT-8 was certainly a higher level of activity than the "other" digital mode; RTTY, which had just 33 QSO's submitted.

The Word Challenge event utilized 31 Minnesota related words created from the letters in the 1 x 1 special calls used. Three stations were able to create all 31 of the word combinations. (**K1RO**, **N2CU**, AND **N8II**) Three more missed just a single word, and an additional three more missed just two of the words.

There are over 100 stations who will qualify for some type of award.

E-mail: mnqp1x1@w0aa.org for the word challenge award.



Band	QSO's
160M	125
80M	8,324
40M	11,922
20M	13,352
15M	12
10M	15

Mode	QSO's
CW	18,242
Phone	15,402
RTTY	33

WX4MT: Using MNQP as an Emergency Preparedness Tool

editor – Here is a group of MNQP participants who combined our operating event into an emergency preparedness exercise, had fun, and turned in a very respectable score! Read their story below.....

 The WX4MT station was comprised of operators from the **Dickson County, Tennessee 911 Center.**

We used the MNQP as a training session. This training introduced the participants to different means of communications, including, (but not limited to), modes and band propagation, and also emphasized the importance of logging, stamina and accuracy. Training such as this will help members who wish to participate in **TERT** training. TERT stands for **Telecommunicator Emergency Response Taskforce**, which allows communication technicians to respond to areas that have sustained a disaster, helping the local team with needed manpower.

Scenario: Our scenario was that your state succumbed to a major winter storm mid-week. On Saturday, the conditions improved enough so that Fixed, Portable, and

especially, mobile stations, would fan out to all Minnesota counties, performing checks with each county's Emergency Management, assessing their needs. We knew that almost, if not all, counties would be activated by at least one mobile during our drill, giving us the opportunity to communicate with all 87. We assigned all Portables and Mobiles organizational assistance status. That

meant that they, in our exercise, represented help based groups such as the Red Cross and Salvation Army, and others. Although the exchange was short; (name and location), we felt like if one of these stations had additional traffic, such as Emergency, Priority, or Health and Welfare, or in extreme cases, a call for additional resources for

their county, we would be able to pass this traffic. Our operational area would be the greater Nashville area. Our operation centered at our local Emergency Operation Center, to give that realistic feel.

(continued page 4)

Jeff, NY4N and Stephanie, KM4ZGQ, waiting for the contest to start after installing the equipment.

Photo by Kim Wingate - Dickson County 911...



WX4MT: Using MNQP as an Emergency Preparedness Tool *cont..*

As the contest began, we knew we were at a disadvantage. We had very little openings on 20 meters. Only about a two hour window in the late afternoon were we able to hear MN stations. So we concentrated on 40, and later 80, for the majority of our contacts. The mobiles did a super job coming back to 40 at regular intervals.

In addition to Jeff NY4N, and Stephanie KM4ZGQ (pictured on page 2), was Shauna KM4ZDR also participating with the WX4MT crew.

The operational setup was a Yaesu FT1000 Mark 5 Field @ 100 watts. We had one antenna, a G5RV. Two laptops and an antenna tuner, completed our station set-up.

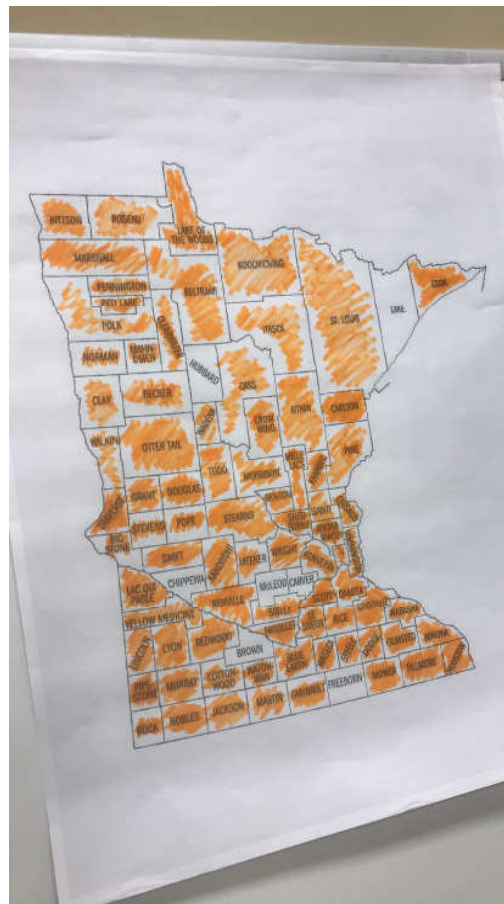
If the log checkers find no mistakes, we contacted 81 of the 87 counties, and accumulated approximately 25,000 points. In all honesty, we wanted to "touch them all", with the score being less important. But we did have FUN, and I mean lots! As the exercise goes, I believe we were successful. Thanks for the invitation to the Party!

Editor note –

All 81 counties were confirmed by log checking. The crew must have run their orange marker dry, as they failed to mark the last county on the map to the right. (LAK with 12 minutes to go!)

With only one busted QSO exchange, they are near the top for logging accuracy as well! –
CONGRATS!

The **BIG** WX4MT multiplier sheet



Profile – Doug Nelson AA0AW

Editor: - If you have worked a county in the northern 1/3 of Minnesota, then it is likely you worked Doug- AA0AW. Perhaps better known as "Neo", using the call sign N0EO, or this year simple as N0E.

Doug has the unenviable challenge of driving the desolate and snow covered roads in the northern tier of Minnesota, handing out the rarest of the Minnesota counties, and has been doing this for quite a few years.

2018 was another interesting year for the northern route. We applied for the special 1x1 call **N0E** for the 20th anniversary MNQP. We started in our usual location at the intersection of Highway 200 and Highway 2 in Aitkin County. This was the fifth year we drove in either partial or continuous snow for the entire 10 hours.

The station consists of a black 2007 Chevy Silverado, an Icom 746PRO and 3 mono-band verticals for 80, 40, and 20 meters. Our route would take us out on Highway 2 towards the west to Highway 59 where we turned north and proceeded to Highway 11. Once on 11 we headed east till we ran out of time.

CW was our only mode of any success. We tried to CQ for over ½ hour on phone and not a single reply! I think we were

being drowned out by bigger signals that we could not hear. The chauffeur had us close to on schedule for the entire trip. We heard very little Minnesota on 40 meters which is our usually our big multiplier band. I believe only 11 counties for multipliers this time.

We had a core group of stations that followed us quite successfully through our counties but after working them we CQ'd for several minutes with no

replies. We started on the trip doing 80 meters and when we didn't have success we went to 40 before entering a new county. Started the new county on 40 and when we ran out of contacts went back to 80. After Itasca County 80 was pretty much gone so started going between 40 and 20. We would work the band out and then change bands and hope to work more. It was a fun trip and I think we did as well as

we could with the band conditions the way they were. The 746 Pro and antennas worked flawlessly. We covered all 15 counties we committed to and logged 645 miles for the total trip.

Thank you to everyone that picked out our cold signals. 73 till next year.

Doug AA0AW

Doug (Neo) – AA0AW / N0EO / N0E.



Wild Rice Donor Appreciation -NØBK

For many years, Bruce Hagerty – NØBK has been generously contributing the MNQP gifts of Wild Rice. Bruce is stepping down from this role after this year, and we thank him for this very generous (and costly) component of our QSO Party. The MNQP committee will be looking at our alternatives for carrying on this tradition.

THANK YOU BRUCE!

MNQP Scramble NØM / NØS

As soon as I learned that the special 1 x 1 calls were going to be used in MNQP, I quickly applied for NØM. Planning on a mobile route, I was contacted by Sean – KØXQ. (Sean was one of the original folks who had resurrected the idea of bringing the QSO Party event back to Minnesota after a many year absence.)

Sean had applied for the call NØS, and was interested in joining with

me on a mobile effort. We had a dilemma: One operation & two call signs.

It was decided we would do an abbreviated mobile operation using one call, and then return home and finish the event as a multi-op using the second call.

The mobile route was adjusted enough to give us the county coverage we had committed to doing, and getting us back home with about two hours remaining to operate fixed.

Everything went as planned during the mobile operation. We managed to stay on schedule despite some long periods of time where we were slowed by snow plows clearing the roadways.

NØS-mobile went off the air abruptly as we pulled into the driveway, and then we began the process of tearing down the mobile station to set up as a multi-op at the home QTH. N1MM was already set up at home for the primary

radio, but we needed to reconfigure the mobile laptop with a new call, category, and network setup. We were up and running in about 15 minutes.

Sean (pictured to the right), right), operated the primary primary home station with access to most of the antennas and all bands. I operated in the position shown to the left with my mobile radio and laptop. My antenna was a vertical for the entire 40M & 80M CW band.

20M had pretty much quieted down in the last few hours, so we bounced around 40 and 80M - both modes, with a few trips to 160M as well.

Since the NØM call sign had not yet appeared on the air until the final two hours, we did seem to grab the attention of a few folks, as the rate meter was up pretty high! 73!

Mark WAØMHJ
Sean KØXQ

The NØM multi-op crew: WAØMHJ (left), and KØXQ (right)





2018 MINNESOTA QSO PARTY - RESULTS

MINNESOTA STATIONS

Mobile-Single XMTR

Call	Category	Section	County	FT-8			Score	Club Affiliation	Operator(s)
				Bonus	DIG	Mults			
N0L *	MOBILE	MN	23		737	14	67	100634 Spirit Valley Amateur Assn	N0UJ
N0H	MOBILE	MN	29		0	1070	47	100580 Northern Lights Radio Society	N0HJZ
K0M	MOBILE	MN	21		767	0	65	99710 TCDXA	K0PC
N0E	MOBILE	MN	15		524	0	61	63928 Spirit Valley Amateur Assn	AA0AW
N0R	MOBILE	MN	17		524	1	49	51450 Bloomington Amateur Radio Association	NR0T, OA4ABC
N0S	MOBILE	MN	14		417	0	50	41700 TCDXA	WA0MHJ, K0XQ
K0H	MOBILE	MN	7		290	0	57	33060	K0MPH
N0U	MOBILE	MN	13		0	238	48	22848 Spirit Valley Amateur Assn	KC0MKS, NU0W
W9FZ	MOBILE	MN	7		0	278	37	20572 Northern Lights Radio Society	W9FZ, KA9VVQ
N0T	MOBILE	MN	15		0	239	35	16730 W0WX	W0ZDT, KC0LMX
K0L	MOBILE	MN	21		0	202	38	15352	KC0DMF, N0SFF
K0F	MOBILE	MN	6		123	18	47	13254	K10F, NOBUI

Rover

W0O *	ROVER	MN	12		679	40	72	103536 Northern Lights Radio Society	W0ZQ
KE0TT	ROVER	MN	7		233	0	54	25164	

Multi-OP

K0T *	MULTI-OP	MN	WSH		304	292	103	122776 F.O.R.C.E.	K0TI, KC0RVA	
N0W	MULTI-OP	MN	STE	500	300	247	108	118652	N0UR, KB0R	
K0ARF	MULTI-OP	MN	COO		36	198	74	34632 Saint Cloud Amateur Club Inc.	N0UV, K0SV, WA0OTO	
K0VRC	MULTI-OP	MN	STL	500	6	180	69	26168 Vermilion Range Amateur Radio Club	W0QXR, K0EKL, KK6BJU	
W0NE	MULTI-OP	MN	WIN		0	151	63	19026 Winona Amateur Radio Club	AD0UT, AD0UU, K0NY, W0MK, K2OPT, KD9GJV, KD0YOB, W0RIF, N0QK, K0ZYV.	
N0M	MULTI-OP	MN	ANO		114	41	56	17360 TCDXA	K0XQ, WA0MHJ	
N0I	MULTI-OP	MN	ITA		75	55	62	16120	W6GMT, N0KKT	
W0B	MULTI-OP	MN	HEN		0	129	45	11610	ARES , K0BBC, KE0OR)	
N0V	MULTI-OP	MN	FIL	500	1	68	40	50	11400	NY0V, SF0F
K0LTC	MULTI-OP	MN	HEN	500		0	54	33	4064 Maple Grove Radio Club	N0RUG, K0BHJ
K0YD	MULTI-OP	MN	HEN		4	20	9	432 Minnetonka MN Radio Club	KC0ITP, AJ0O, W0RU	
N0EOC	MULTI-OP	MN	STL		0	15	12	360 Spirit Valley Amateur Assn	ARES (KC0NFB, KC0WDQ, KE0JDB)	

Single OP - QRP

N0C *	QRP	MN	NOB		64	130	76	29488	ND0C
W0UFO	QRP	MN	RAM		87	0	41	7134	
KC0RIS	QRP	MN	CRV		0	47	35	3290 SMARTS	
K0R	QRP	MN	RAM		42	0	20	1680	K0TC
K0APR	QRP	MN	LYO	500	17	0	1	14	1004

Single OP - Low Power

Call	Category	Section	County	FT-8					Score	Club Affiliation	Operator(s)
				Bonus	DIG	CW	SSB	Mults			
K0W *	SOLP	MN	MOW			309	220	96	101568	Rochester DX & Contest Club	AC0W
K0A	SOLP	MN	HEN	500		292	160	91	82764		K0AD
K0MD	SOLP	MN	OLM			165	433	69	82524	Rochester DX & Contest Club	
K0K	SOLP	MN	HEN	500		286	144	78	67580		N0KK
KX0A	SOLP	MN	WSH			279	68	90	62460	Lakeland VHF Radio Society	K9DU
K0Q	SOLP	MN	OLM	500		122	264	75	58400		K1KD
K0P	SOLP	MN	BEC			198	104	96	57984	Detroit Lakes ARC	W0PI
K0I	SOLP	MN	RAM			226	79	91	55510	St. Paul Radio Club	KC0INP
W0W	SOLP	MN	HEN			334	15	69	48162		W0OR
K0N	SOLP	MN	RAM			270	82	67	47168	F.O.R.C.E.	K0TG
N0GEF	SOLP	MN	WRI			296	0	79	46768		K0UU
WB0CFF	SOLP	MN	SCO	500		291	0	76	44732	SMARTS	
W0K	SOLP	MN	KIT	500		267	11	79	44424	Radiosport Manitoba	W6NF
K0B	SOLP	MN	LES	500		222	64	75	43400	Bloomington Amateur Radio Association	AE0EE
K0D	SOLP	MN	CHS			216	26	69	33396	TCDXA	K0RC
K0G	SOLP	MN	WSH			208	23	69	31878	TCDXA	K0GW
W0J	SOLP	MN	RAM			242	0	64	30976		W9LHG
N0A	SOLP	MN	DAK	500		85	117	69	28376		W0ZF
N0N	SOLP	MN	HEN			113	102	62	26660	NAQRO	K0KX
KA0CSW	SOLP	MN	MEE			66	76	72	20448	Meeker County ARC	
N0B	SOLP	MN	DAK			120	45	57	18810		N0BK
N0Q	SOLP	MN	HEN			183	0	50	18300		N0KBD
W0U	SOLP	MN	RAM	500		153	18	52	18284	Northern Lights Radio Society	W0UC
W0R	SOLP	MN	HEN			120	27	58	17052		WA0RBW
W0LS	SOLP	MN	ISA			125	16	57	16074	TCDXA	
K0U	SOLP	MN	RAM			153	0	51	15606		KM0O
AA0MN	SOLP	MN	ANO	500		16	108	58	14884	Minnesota Amateur Radio Technical Society	KA8HDE
A10Y	SOLP	MN	HEN			149	0	49	14602		
W0A	SOLP	MN	HEN			39	76	49	11270	U S West Wireless Club	W0AD
W0Z	SOLP	MN	RAM	500		57	73	40	10900		WA0LIF
NG0E	SOLP	MN	COT	500		31	77	47	10652		
W0L	SOLP	MN	RAM			13	85	54	10584		W0LM
W0D	SOLP	MN	HEN			87	30	41	9594		KC0RET
WA0KNP	SOLP	MN	LAC			35	49	52	8736	WCMNARC	
A10Q	SOLP	MN	CLA			15	72	46	8004		
W0M	SOLP	MN	WSH			39	61	39	7800	F.O.R.C.E.	W0ERP
N0UY	SOLP	MN	PEN			84	0	45	7560		
WB0U	SOLP	MN	OLM			69	0	39	5382	Rochester DX & Contest Club	
W0N	SOLP	MN	HEN	500		57	7	35	4980	TCDXA	WB0N
W0Y	SOLP	MN	DAK			69	0	32	4416		KN0V
W0V	SOLP	MN	WSH			18	38	37	4144		W0SEI
W0I	SOLP	MN	RAM			62	0	31	3844		W19P
K0J	SOLP	MN	STL		12	18	19	33	3234	Spirit Valley Amateur Assn	K0JJR
K0V	SOLP	MN	HEN			12	24	18	1296		K0QMU
KC0P	SOLP	MN	OLM			13	12	22	1100	Northern Lights Radio Society	
W0G	SOLP	MN	HEN	500		14	8	10	940	TCDXA	K0VG
AD0HJ	SOLP	MN	CRO	500		10	5	12	860		
W0MN	SOLP	MN	OLM	500		7	3	4	580	Rochester (MN) ARC	
KE0BRZ	SOLP	MN	ANO	500		2	4	4	548		
W0RX	SOLP	MN	PEN			6	3	8	144		

Single OP - PHONE ONLY

Call	Category	Section	County	FT-8				Score	Club Affiliation	Operator(s)
				Bonus	DIG	CW	SSB			
N10K *	SOPH	MN	BEL			0	619	84	103992	
W0T	SOPH	MN	DAK	500		0	539	93	100754	K0TT
K0Y	SOPH	MN	PIN			0	467	96	89664	Mora Open Repeater Association K0YR
W0C	SOPH	MN	OLM			0	326	87	56724	A10M
K0S	SOPH	MN	SHE			0	320	83	53120	K0SIX
N0Z	SOPH	MN	HEN			0	310	70	43400	NG0Z
N0K	SOPH	MN	MIL	500		0	279	74	41792	N0OK
K0VH	SOPH	MN	OLM			0	240	74	35520	
KFOQ	SOPH	MN	RAM			0	197	81	31914	
WA0EBZ	SOPH	MN	TOD			0	189	79	29862	Runestone ARC
N0D	SOPH	MN	CLE	500		0	222	61	27584	Detroit Lakes ARC WA0LJM
N0ECK	SOPH	MN	LYO			0	149	72	21456	
N0XT	SOPH	MN	ANO			0	165	65	21450	
N0F	SOPH	MN	STL			0	263	38	19988	NJ0F
KC0TAF	SOPH	MN	TOD			0	130	64	16640	W0ALX
W0E	SOPH	MN	STL	500		0	132	60	16340	N0VRM
N0J	SOPH	MN	HUB			0	155	51	15810	W0JM
N0HDR	SOPH	MN	ANO			0	114	60	13680	
W0Q	SOPH	MN	ISA			0	106	58	12296	ECMARC W0JLF
K0Z	SOPH	MN	CLA			0	111	45	9990	KA0ZLG
KD0ORR	SOPH	MN	FIL			0	97	50	9700	ARES
K0E	SOPH	MN	STL			0	86	48	8256	Spirit Valley Amateur Assn K0DSL
N0P	SOPH	MN	OLM			0	88	46	8096	WB0DYZ
WB0KUG	SOPH	MN	DOU			0	80	49	7840	Runestone ARC
W0P	SOPH	MN	WRI	500		0	84	38	6884	W0WTF
KD0BMV	SOPH	MN	WRI			0	70	46	6440	Meeker County ARC
N0O	SOPH	MN	WSH			0	80	37	5920	N0ODK
K0LEJ	SOPH	MN	SCO			0	64	42	5376	
AD0DB	SOPH	MN	SCO			0	61	38	4636	SMARTS
N0G	SOPH	MN	HEN	500		0	45	29	3110	K0TLG
N0Y	SOPH	MN	HEN	500		0	44	22	2436	WF0T
KC0FOT	SOPH	MN	JAC			0	32	25	1600	
W0H	SOPH	MN	HEN	500		0	32	16	1524	K0AUG
KA0JWC	SOPH	MN	LES			0	30	22	1320	
N0RTY	SOPH	MN	KNB			0	25	20	1000	
KD8HAM	SOPH	MN	BEC	500		0	24	10	980	Detroit Lakes ARC
KA0WJC	SOPH	MN	MOR	500		0	12	11	764	
KC0NFB	SOPH	MN	STL			0	22	17	748	Spirit Valley Amateur Assn
K0RJW	SOPH	MN	WSH			0	21	14	588	
K0C	SOPH	MN	POL			0	5	4	40	
K0O	SOPH	MN	STL			0	2	2	8	Spirit Valley Amateur Assn AA0ME

WVE STATIONS

Single OP - Low Power

Call	Category	Section	FT-8				Score	Club Affiliation	
			Bonus	DIG	CW	SSB			Mults
N2CU ***	SOLP	NY			268	54	83	53452	Niagara Frontier Radiosport
K0AP ***	SOLP	KS			161	2	81	26406	Kansas City Contest Club
W1GL ***	SOLP	CT			103	66	67	22646	
WA3HAE ***	SOLP	PA			152	3	68	21080	WEEKEND WARRIORS
NW0M ***	SOLP	MO			138	0	73	20148	Kansas City Contest Club
AD8J ***	SOLP	NC			126	30	60	18720	South East Contest Club
W5TM ***	SOLP	OK			138	0	64	17664	DEEP DIXIE CONTEST CLUB
K0HNC **	SOLP	KS			114	13	66	16764	
WF5X ***	SOLP	MI			93	9	62	12648	
NU0Q ***	SOLP	IA			76	28	59	12272	
W8TM ***	SOLP	OH			98	10	56	12096	Mad River Radio Club
VE7JH *	SOLP	BC			79	30	46	10028	CVARS
N9NM *	SOLP	TX			94	0	47	8836	Central Texas DX and Contest Club
W0AIH *	SOLP	WI			50	46	44	8448	
KN4Y *	SOLP	FL			93	0	45	8370	Sportsman's Paradise ARC
WB9HFK	SOLP	IL			83	13	41	7872	Society of Midw est Contesters
N4ARO	SOLP	TN			66	16	48	7872	Tennessee Contest Group
N8FYL	SOLP	MI			77	5	44	7216	Mad River Radio Club
K4WW *	SOLP	VA			71	0	50	7100	Kentucky Contest Group
WA9LEY	SOLP	IL	500		71	8	41	6978	Metro DX Club
K6MM *	SOLP	CA			58	17	42	6300	Northern California Contest Club
K9BTQ	SOLP	WI			64	3	41	5494	West Allis RAC
W1ARY	SOLP	CT			68	3	37	5254	
K2QB	SOLP	NY			68	0	37	5032	Niagara Frontier Radiosport
W7GF *	SOLP	OR			55	0	44	4840	
VE3AQ *	SOLP	ON			70	0	32	4480	Contest Club Ontario
N7JPF	SOLP	OR			46	14	36	4320	
AB7RW	SOLP	WA			60	0	36	4320	WILLAMETTE DX CLUB
KE0L	SOLP	IL			61	0	35	4270	Society of Midw est Contesters
K8J *	SOLP	KY			57	0	37	4218	
NY9P	SOLP	IL			55	0	38	4180	
N2CQ *	SOLP	NJ			35	21	37	4144	Frankford Radio Club
K9GDF	SOLP	WI			53	5	34	3944	W/K ARC
KB9DKR	SOLP	TN			45	11	35	3920	
KA7T *	SOLP	ID			39	21	31	3720	
AE9LL	SOLP	IN			24	38	29	3596	
N8NA *	SOLP	DE			50	0	31	3100	Frankford Radio Club
K9CW	SOLP	IL			50	0	26	2600	Society of Midw est Contesters
W6OUL	SOLP	CA			45	0	26	2340	
K4ZGB *	SOLP	AL			51	0	21	2142	Alabama Contest Group
VE3CRU	SOLP	ON			30	10	26	2080	
W1END	SOLP	NH			38	0	27	2052	Yankee Clipper Contest Club
KM4FO	SOLP	KY			34	0	24	1632	Kentucky Contest Group
KB9S	SOLP	WI			34	0	23	1564	Eau Claire ARC
W3AKD *	SOLP	ME			6	24	24	1440	

Single OP - Low Power (cont.)

Call	Category	Section	FT-8					Score	Club Affiliation	Operator(s)
			Bonus	DIG	CW	SSB	Mults			
W2DXE	SOLP	NY			43	0	16	1376	Niagara Frontier Radiosport	
W8CAR	SOLP	OH			30	3	19	1254	North Coast Contesters	
WN4AFP *	SOLP	SC			32	1	18	1188	Sw amp Fox Contest Group	
W4SNF	SOLP	FL			20	9	16	928	Contest Club Ontario	VE3AYR
W0YJT	SOLP	KS			17	11	15	840		
W4ZPR	SOLP	VA			24	0	17	816	USS Wisconsin Radio Club	
VE9ML *	SOLP	NB			24	2	13	676	Maritime contest club	
N1NN	SOLP	MA			23	0	14	644		
WA8ZBT	SOLP	TX			20	0	16	640	DFW Contest Group	
W0MB	SOLP	MO			20	0	15	600	Kansas City Contest Club	
W0SEB *	SOLP	SD			19	0	14	532		
AA8TA	SOLP	OH			16	0	13	416	DELARA Contest Team	
KF3G	SOLP	PA			17	0	11	374		
WA0LIS	SOLP	IL			13	3	9	288	St. Clair ARC	
AB9XI	SOLP	WI			12	0	9	216		
ND3R	SOLP	PA			10	1	8	176		
AF5CC	SOLP	OK			9	0	9	162	OKDXA	
KE7TM *	SOLP	AZ			0	8	7	112	Arizona Outlaw s Contest Club	
W5QLF	SOLP	TX			7	0	7	98	South Texas DX and Contest Club	
N0SMX	SOLP	FL			7	0	5	70		
K7AZT	SOLP	AZ			5	0	5	50	Arizona Outlaw s Contest Club	
N4EEV	SOLP	GA			3	2	5	50	South East Contest Club	
WA2JQZ	SOLP	CO			2	2	3	24		
KF6NCX	SOLP	CA			3	0	3	18	Northern California Contest Club	
WA4TAS	SOLP	DE			3	0	3	18		
N9JF	SOLP	IL			2	1	3	18	Society of Midwest Contesters	
K4VBM	SOLP	GA			0	2	2	8	GEORGIA CONTEST GROUP	
K6KQV	SOLP	CA			1	0	1	2		
WB6ETY	SOLP	CA			1	0	1	2	Northern California Contest Club	
WB2COY	SOLP	NY		1	0	0	1	2		
W8KNO	SOLP	OH			0	1	1	2	Mad River Radio Club	
KC9YL	SOLP	WI			1	0	1	2	Society of Midwest Contesters	

Single OP - QRP

Call	Category	Section	FT-8					Score	Club Affiliation	Operator(s)
			Bonus	DIG	CW	SSB	Mults			
N0LY *	QRP	MO			69	0	44	6072		
WO9B	QRP	WI			50	6	37	4144	West Allis RAC	
KX9RT	QRP	WI			38	18	31	3472		
N8I	QRP	MI			27	0	20	1080	MICHIGAN QRP CLUB	N8XX
KG5HI	QRP	FL			26	0	16	832		
N1AIA	QRP	ME			13	0	12	312		
K2YGM	QRP	NY			13	0	7	182		
K14MCZ	QRP	GA			8	0	8	128	Gatew ay ARC	
WA4ZOF	QRP	GA			5	0	5	50	SECC	
N3CKI	QRP	NC			5	0	5	50		
KA3UOL	QRP	PA			0	2	2	8		
VA3PCJ	QRP	ON			1	0	1	2		

Single OP - Phone

Call	Category	Section	FT-8					Score	Club Affiliation	Operator(s)
			Bonus	DIG	CW	SSB	Mults			
WA1SAY *	SOPH	CT			0	80	50	8000		
W1KDA *	SOPH	RI			0	77	51	7854		
AJ4LN	SOPH	VA			0	56	40	4480	Sterling Park ARC	
KI7AAY	SOPH	WA			0	57	39	4446		
KD0CVZ *	SOPH	ND			0	50	39	3900		
KB1VXY	SOPH	MA			0	38	26	1976	FARA	
AG7AA	SOPH	OR			0	32	25	1600		
WB0PTO	SOPH	WI			0	33	24	1584		
WZ6ZZ	SOPH	CA			0	29	27	1566		
K7XE	SOPH	CA			0	29	25	1450		
KI7GXV	SOPH	OR			0	28	22	1232		
KG9JP	SOPH	WI			0	30	20	1200	Fox Cities ARC	
KA1TWX	SOPH	NH			0	25	21	1050		
N4JBN	SOPH	TN			0	29	17	986		
KD2GXL	SOPH	NY			0	27	18	972	Long Island Mobile ARC	
AA0LV	SOPH	KS			0	26	15	780		
W4LID	SOPH	KY			0	25	15	750		
WB7CYO	SOPH	ID			0	22	16	704		
K7DBN	SOPH	UT			0	22	16	704		
W7KAM	SOPH	MO			0	25	13	650	Society of Midwest Contesters	
KE7FY	SOPH	ID			0	22	14	616		
W9GND	SOPH	IN			0	18	13	468		
W9LSE	SOPH	UT			0	16	14	448		
KA2BXH	SOPH	NJ			0	17	13	442		
NW5Q	SOPH	TX			0	14	12	336	DFW Contest Group	
N0KOE	SOPH	NC			0	13	12	312		
W4WLF *	SOPH	MS			0	13	10	260		
KN4EWI	SOPH	NC			0	11	9	198		
KK4CBL	SOPH	VA			0	11	9	198	Alexandria Radio Club	
AG6AG	SOPH	CA			0	9	8	144	Ventura County Amateur Radio Society	
KD4QMY *	SOPH	GA			0	9	8	144	South East Contest Club	
A4DB	SOPH	TN			0	9	8	144	Tennessee Contest Group	
W7BLR	SOPH	WA			0	9	8	144		
K1NZ	SOPH	MA			0	8	8	128	Yankee Clipper Contest Club	
KA9GDW	SOPH	IN			0	8	7	112		
W4CHI	SOPH	NC			0	7	7	98	Randolph and Tri-County	
KE7GKI	SOPH	AZ			0	6	6	72		
VE2GT	SOPH	QC			0	6	6	72	NorDX Club	
WW3MM	SOPH	MD			0	5	5	50		
KD5ILA *	SOPH	AR			0	4	4	32		
W6SFI	SOPH	CA			0	4	4	32		
N0LBY	SOPH	MO			0	4	4	32		
N6JGL	SOPH	CA			0	3	3	18		
KK4QIA	SOPH	GA			0	3	3	18		
N4FA	SOPH	FL			0	3	2	12		
KJ4KKD	SOPH	TN			0	3	2	12		
W5TCB	SOPH	AR			0	2	2	8		
KG7WFQ	SOPH	WA			0	2	2	8		
AB7WP	SOPH	AZ			0	1	1	2		
KD6WKY	SOPH	CA			0	1	1	2	Mother Lode DX/Contest Club	
W7CO	SOPH	OR			0	1	1	2		

Multi - OP

Call	Category	Section	FT-8					Score	Club Affiliation	Operator(s)
			Bonus	DIG	CW	SSB	Mults			
WX4MT ***	MULTI-OP	TN			145	10	81	25110		KM4ZGQ, KM4ZDR, NY4N
N1SOH	MULTI-OP	MA			9	29	29	2204	Yankee Clipper Contest Club	N1SOH, W1FM
W1NVT *	MULTI-OP	VT			0	40	24	1920	Radio Amateurs of Northern Vermont	W1SJ

Single OP - High Power

Call	Category	Section	FT-8					Score	Club Affiliation	Operator(s)
			Bonus	DIG	CW	SSB	Mults			
K1RO ***	SOHP	NH			192	101	80	46880	Yankee Clipper Contest Club	
N8II **	SOHP	WV			157	99	78	39936	Potomac Valley Radio Club	
W7GKF ***	SOHP	WA			137	93	76	34960	Radio Club of Redmond	
WB2ABD **	SOHP	NY			155	10	73	24090	Niagara Frontier Radiosport	
W0BH **	SOHP	KS			93	75	59	19824		
W2RR **	SOHP	NY			111	23	60	16080	Niagara Frontier Radiosport	WA2AOG
W9OA ***	SOHP	IL			97	19	61	14152	Metro DX Club	
K9NW ***	SOHP	IN			115	0	57	13110	Mad River Radio Club	
K0JPL **	SOHP	MO			82	33	48	11040	Mississippi Valley DX/Contest Club	
KF7PBM	SOHP	WA	500		0	99	43	9014	Spokane DX Association	
K2RYD	SOHP	NY			6	76	53	8692	Great South Bay ARC	
AG6V	SOHP	WA			82	0	47	7708	ORCA DX & Contest Club	
K4AMC	SOHP	TN			81	0	42	6804		
N4VV	SOHP	TN			73	0	37	5402	Tennessee Contest Group	
VA2CZ *	SOHP	QC			45	40	31	5270	Yankee Clipper Contest Club	
KA4TLC	SOHP	NC			0	59	39	4602		
N2IGW	SOHP	NY			45	1	41	3772		
W4TLK	SOHP	TN			0	52	31	3224	Tennessee Contest Group	
N4CW	SOHP	NC			45	0	28	2520	Potomac Valley Radio Club	
NU1O *	SOHP	MA			2	40	28	2352		
AK7G	SOHP	CA			4	33	27	1998		
AK7O *	SOHP	UT			46	0	20	1840	Utah DX Association	
K5CM	SOHP	OK			34	0	22	1496		
WA3AAN	SOHP	PA			31	4	18	1260	Frankford Radio Club	
K17DG	SOHP	WA			0	26	20	1040	Spokane DX Association	
W0UY	SOHP	KS			26	0	19	988		
K3TN *	SOHP	MD			23	0	15	690	Potomac Valley Radio Club	
VA7ODX	SOHP	BC			0	23	15	690	ORCA DX & Contest Club	VA7BEC
AA1SU	SOHP	VT			10	8	17	612	Radio Amateurs of Northern Vermont	
K5IX	SOHP	TX			18	0	14	504		
W2CSI	SOHP	NC			0	17	14	476		
N7EPD	SOHP	WA			18	0	12	432	Pacific Northwest VHF Society	
N6XDX	SOHP	CA			0	13	13	338		
VA3TTB	SOHP	ON			0	13	12	312		
K0OO	SOHP	MD			2	10	12	288	Potomac Valley Radio Club	
KB0LF *	SOHP	NE			12	0	10	240		
W7WHY	SOHP	OR			10	0	9	180		
K5TIA	SOHP	TX			10	0	9	180	Tx Dx Society	
NS8O	SOHP	OH			6	3	9	162	Sunday Creek AR Federation	
K8ZT	SOHP	OH			3	5	8	128	Mad River Radio Club	
KD0JLE *	SOHP	CO			0	7	6	84		
KA3CZY	SOHP	WV			4	2	5	60		
KE4YOG	SOHP	NC			0	5	4	40		

DX STATIONS

Unlimited

Call	Category	Section	FT-8				Score	Club Affiliation
			Bonus	DIG	CW	SSB		
OM2VL *	UNLIMITED	DX	2	140	47	76	28728	Slovak Contest Group
DK2OY	UNLIMITED	DX		44	14	33	3828	Bavarian Contest Club
SP5SA	UNLIMITED	DX		5	0	5	50	
EA3ELZ	UNLIMITED	DX		0	2	2	8	

Checklog

Call	Category	Section	FT-8				Score	Club Affiliation
			Bonus	DIG	CW	SSB		
N5AYB	CHECKLOG	TX			0	9	8	144

*** Indicates Plaque / Certificate & MNQP Prize

** Indicates Prize from MNQP

* Indicates Plaque or Certificate

CLUB COMPETITION

Club Name	# Entries	Score
TCDXA	8	246038
Northern Lights Radio Society	5	244072
Spirit Valley Amateur Assn	8	200016
Rochester DX & Contest Club	4	190056
F.O.R.C.E.	3	177744
Niagara Frontier Radiosport	5	100030
Bloomington Amateur Radio Association	2	94850
Mora Open Repeater Association	1	89664
Detroit Lakes ARC	3	86548
Lakeland VHF Radio Society	1	62460
Yankee Clipper Contest Club	5	56534
St. Paul Radio Club	1	55510
SMARTS	3	52658
Kansas City Contest Club	3	47154
Radiosport Manitoba	1	44424
Potomac Valley Radio Club	4	43434
Runestone ARC	2	37860
Radio Club of Redmond	1	34960
Saint Cloud Amateur Club Inc.	1	34632
Mad River Radio Club	5	32552
Slovak Contest Group	1	28728
Meeker County ARC	2	26888
NAQRO	1	26660
Vermilion Range Amateur Radio Club	1	26168
Metro DX Club	2	21130
WEEKEND WARRIORS	1	21080
Winona Amateur Radio Club	1	19026
South East Contest Club	3	18914

CLUB COMPETITION (cont.)

<u>Club Name</u>	<u># Entries</u>	<u>Score</u>
Deep Dixie Contest Club	1	17664
W0WX	1	16730
Tennessee Contest Group	4	16642
W0ALX	1	16640
Society of Midwest Contesters	6	15412
Minnesota Amateur Radio Technical Society	1	14884
ECMARC	1	12296
U S West Wireless Club	1	11270
Mississippi Valley DX/Contest Club	1	11040
Spokane DX Association	1	10054
CVARS	1	10028
West Allis RAC	2	9638
Central Texas DX and Contest Club	1	8836
WCMNARC	1	8736
Kentucky Contest Group	2	8732
Great South Bay ARC	1	8692
Frankford Radio Club	3	8504
ORCA DX & Contest Club	2	8398
Sportsman's Paradise ARC	1	8370
Northern California Contest Club	3	6320
Contest Club Ontario	2	5408
Sterling Park ARC	1	4480
WILLAMETTE DX CLUB	1	4320
Maple Grove Radio Club	1	4064
W/K ARC	1	3944
Bavarian Contest Club	1	3828
Radio Amateurs of Northern Vermont	2	2532
Alabama Contest Group	1	2142
FARA	1	1976
Utah DX Association	1	1840
Eau Claire ARC	1	1564
North Coast Contesters	1	1254
Fox Cities ARC	1	1200
Swamp Fox Contest Group	1	1188
MICHIGAN QRP CLUB	1	1080
DFW Contest Group	2	976
Long Island Mobile ARC	1	972
USS Wisconsin Radio Club	1	816
Maritime Contest Club	1	676
Minnetonka MN Radio Club	1	432
Pacific Northwest VHF Society	1	432
DELARA Contest Team	1	416
St. Clair ARC	1	288
Alexandria Radio Club	1	198
TX Dx Society	1	180
Arizona Outlaws Contest Club	2	162
OKDXA	1	162
Sunday Creek AR Federation	1	162
Ventura County Amateur Radio Society	1	144
Gateway ARC	1	128
Randolph and Tri-County	1	98
South Texas DX and Contest Club	1	98
NorDX Club	1	72
SECC	1	50
GEORGIA CONTEST GROUP	1	8
Mother Lode DX/Contest Club	1	2

Soapbox

*My 9th MN QP and my best result! Thanks a lot for organizing that nice weekend! Fortunately 20m was open so long and 40m open so early and 80m was excellent. My score would be higher, but some stations were only on 40m at the beginning when my only usable band was 20m. I heard 4-5 another multipliers but when I called him on 20m it seems he went on 40m ... 20m closed at 20:46Z last worked station was Rich N0H and I went to 40m where there was lot of stations. Some stations I must call long time because I had RTTY QRM, because of this I can't run SSB. Several time I checked also 20m but band was dead. I was shocked at 22:43Z when I back on Rich frequency 14252 and heard him with excellent signal. I made QSO also with KOL at 22:48Z and he told me that his next county will be about 5 minutes. I stayed on his frq but unfortunately condx dropped down and I don't heard any station till end of the party. I back on 40m and continued here. CW segment was still full of MN stations and must search also mobiles for possible new multiplier I decided no RUN on SSB. Last hour I went on 80m (only 3 QSO during last hour on 40m) and I heard many MN stations. Some stations I must call longer so I don't back on 40m, stay on 80m and made amazing 21 QSO!!! Maybe I made mistake to not went 160m because after the QP I had excellent USA pileup here. During 3 hours I made 130 US QSO including some West Coast ... who know? maybe I can made somebody also on 160m but maybe missed more stations on 80m ... Most QSOs with mobiles: N0H 20/20 (QSO/CTY), K0M 13/13, N0E 11/11, N0L 11/11, N0S 11/10, W0O 9/8, N0R 7/7, K0H 5/5, W9FZ 4/4, KE0TT 2/2. RESIDENT: 4 QSO: K0A, K0B, K0K - 3 QSO: K0D, N0Q, N0V, N0W, W0K, W0W I worked 52 different 1x1 stations / totally 166 1x1 QSO! I spell 30 words from 31 ... Unfortunately I can't spell UFFDA because I worked only K0F on 40m and missed another F. It seems it was impossible mission for me because K0F was only on 40m, N0F was only under 7200 where I can't transmit and W0F I never heard :(Thanks a lot for FB QSOs for excellent job of mobiles and for organizing this nice event! I send my QSL for all worked stations, PLEASE also yours for my US COUNTY Award and County Challenge Toplist - need every county on every band + mode! - **OM2VL**.... Interesting conditions. 80M was very rough, no short 20M skip at all. Thank goodness for 40M! CU in MiQP. - **WF5X**.... Like the 1X1 call signs, but couldn't spell anything. Good activity this year. Rig was FTdx5000 and Butternut vertical. - **W1END**.... Low activity on the low bands for me.-**NOUY**.... This was a tough nut to crack this year. Due to my little amp being on the bench, it was QRP this year. Normally I wouldn't blink, but geez 40 was really long and the mobiles were tough to hear. After 22:00, 80 came to life and the game was afoot. Thank you mobiles once more for making this contest so much fun. Alas, no rice for me. Drat. Next year it is QRO or bust!!! - **WO9B**.... Great participation. Thanks for the effort. - **W5TM**.... 1st time entering MN QSO contest - poor band conditions - still fun! - **KF7PBM**.... Enjoyed the QSO PARTY. Hope to see ya'll on the NC/SC weekend. - **KA4TLC**....Thanks for 10 hours of fun and excitement! - **WA3HAE**.... I was not able to spend very much time in this QSO party. Signals were kind of weak on 20 meters and a little better on 40 meters later in the afternoon. I got bit a few times by QSB at the most inopportune time. Thanks for the contacts. - **AA8TA**.... Fun time but 20 was tough, especially for QRP: QRM and QSB. - **NOC**.... Thank you for a very fun even !! - **K17GXV**.... First MNOP try. May do some FT8 too. I have used it only a bit. I guess I need a better antenna. - **W0MN**.... Impressive number of 1x1 calls, KUDOS. Congrats on your 20th anniversary - **KB0LF**.... Thanks for great contest. - **KG5HI**.... What a great way to familiarize myself with a new rig, in addition to having a lot of fun. A great event with great people. Thanks - **KA0WJC**.... Great fun! Many thanks to the mobiles especially. - **K8IJ**.... Always a great QSO Party - Nice addition of the 1 x 1 call signs this year! - **W1KDA**.... First time still in MN (not snow birding for few days at Orlando Hamfest & more) and happy to hear many others on in Olmsted Co. Bands were OK, better than winter FD last Sat. 73 - **K0VH**....*

Soapbox... cont...

Very sorry that local club event prevented my working MNQP under my own call other than just a few minutes. Last year I was proud to be First Place Arizona Low Power Single Operator. I look forward to MNQP next February. - **K7AZT**..... Great warm up to the Super Bowl. – **K000**..... TKS for the fun! – **W1GL**..... Enjoyed the party! - **W4LID**..... The CW mobile activity on 20 was poorer than usual here especially after the fade out/fade back in around 2030Z, many more 20 M Q's could have been made! I doubt if I operate near full time again until conditions improve because it is not very enjoyable to chase unreadable/very weak mobiles. The 1x1's were fun, worked 59 unique/206 Q's. - **N8II**..... In spite of varying band conditions on 80 - 20, I had a lot of fun working old friends and making new ones. – **WA0EBZ**..... Where were the 1X1 "G" guys! - **K0JPL**..... It was a "chase the mobile event". – **KN4Y**..... K3/10 running all 10 - 12 watts this year to a 66' inverted vee up 20' at the apex, fed with parallel line and Matchbox tuner. Good activity levels on 40M, sometimes 80M, and sometimes 20M. No sigs heard on 15 or 10M. 20M QSO's with OM2VL ! Enjoyed chasing around and making some Q's from 7 counties. Thanks for your copy of my near-QRP signal.... you do the heavy lifting on your end by taking the time to work with my light signal. Thanks for that ! Parked in some very good RF launch locations, with slightly higher elevations and long downsloping terrain in most directions. Weather was not a factor this year. Temps were 8 F at the start, peaked at 28, then fell to 19 by finish with a brisk north wind at the end. Thanks for the fun, and C U next time! - **KE0TT**..... Congrats to MN ops on hosting a fine event! – **KB9DKR** Had a good time operating the MNQP this year, first time doing it all QRP. Thanks again. - **KCORIS**..... Rovers seemed a bit harder to find this year. The special event calls were a nice addition to an already great QSO Party. Conditions were not the best but low noise levels helped. – **K0I**..... Fun time and good operators, that is, right up until my wife came running into the room yelling, "you're setting off the smoke alarms!" - **W9LSE**..... Was not able to spend very much time in this QSO party. Signals kind of weak on 20 meters and a little better on 40 meters later in the afternoon. Got bit a few times by QSB at the most inopportune times – **AA8TA**.....

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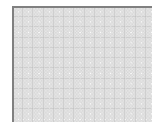
The 21st Minnesota QSO Party will be held on **Saturday, February 2nd, 2019** from 1400 UTC until 2400 UTC. Check the web site for latest information, tools and updates.

Interested in MNQP mobile operating?

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