MEGAHERTZ TIMES

SPECIAL SERVICE CLUB

December 2019 | W3AI | PO Box 336, Perkasie, PA 18944

R F Hill Amateur Radio Club 2019

President: KC3HHK, Jeff Lapin

Vice Pres.: KB3HRP, Ross Crawford

Secretary: WA3YLQ, Jim Soete

Treasurer: W3LMR, Lloyd M Raifsnider III

News Editor: W3WTT, Bill Tribley bill@tribley.org

CLUB INFORMATION

Mailing address: PO Box 336, Perkasie, PA 18944

Club Repeaters: 145.31 MHz; input 144.71 MHz PL 131.8 (2 meters) 444.75 MHz, input 449.75 MHz PL 103.5 (70 cm)

Meetings: The club meets at 7:30 PM on the last Thursday of the Month

Web page: http://www.rfhillarc.club

Email: rfhillarc@yahoo.com

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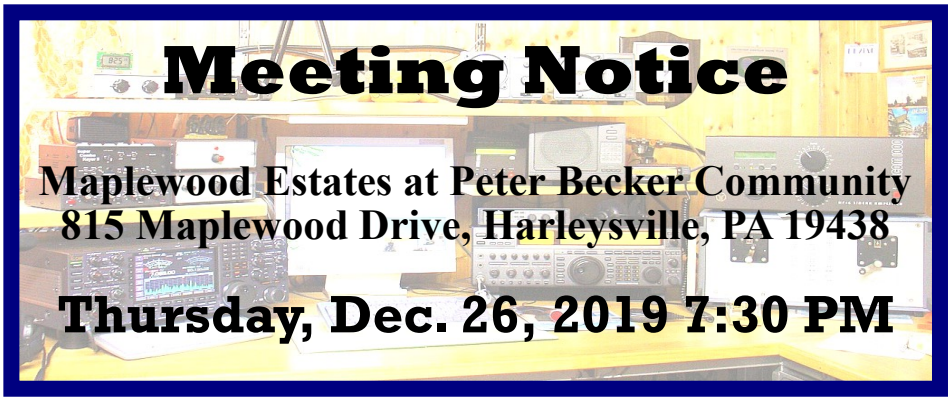
DEADLINE for article submission is 10 days before the meeting!
Send to rfhillarc@yahoo.com



Membership Renewal

If you haven't renewed yet use the Membership Renewal Form attached to this issues' email and

submit your form with dues payment today!

December Program

Leftover Christmas Cookie Party and Member Show and Tell
Bring a plate of Christmas cookies (or treats) to share with the group. Christmas Rag Chewing (is there such a thing?) will be in order!

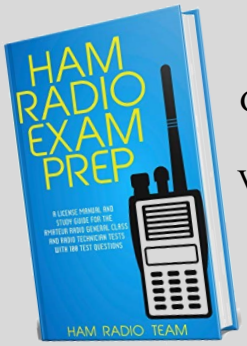
ALSO! If you got a new piece of gear (new or vintage) during the past year, bring it along to the meeting and tell us about it. Let us know what you did with Ham Radio during 2019!

On behalf of the Board, Happy Holidays and a Happy New Year to All!

Jim Soete, WA3YLQ

RF Hill Amateur Radio Club
W3AI

VE TESTING



VE testing for Technician, General and Extra Class licenses is held regularly at the Indian Valley Public Library in Telford:

100 E Church Ave.
Telford, PA 18969

The next exam will be

January 20, 2020

Session starts at 6:30 pm sharp

Bring license or CSCE originals and copies if upgrading,
2 forms of ID (one photo) for new licenses.

To pre-register or for more information
Contact Jim Soete, WA3YLQ
215-723-7294 eves./weekends.
wa3ylq@arrl.net

The fee is $15.00

Pre-registration is appreciated.

VE's are always welcome to help with testing.

Traffic Nets

SEPPTN traffic nets are on Sundays & Wednesdays at 8:00 PM local time at 145.310 MHz (-600). These nets are for anyone who would like to learn how to handle traffic as well as an on the air meeting place for members and future members.

RF Hill A-R-C Ten Meter AM Net: 29.005MHz on Sunday evening immediately following the SEPPTN

Net Control Stations

12/22, 12/25	KS3Z	2/2, 2/5	WA3YLQ
12/29, 1/1	KB3DEN		
1/5, 1/8	WA3YLQ		
1/12, 1/15	W3WTT		
1/19, 1/22	KS3Z		
1/26, 1/29	KB3DEN		

Any questions or conflicts, please let me know. If at the last minute, the assigned net control station doesn't show-up, any net control station on frequency should run the net.

Thanks to everyone for your continued support.
Jim – KB3DEN KB3DEN@aol.com

AREA NET LISTINGS

SEPPTN Southeastern PA Practice & Traffic Net	Su/W	8 PM	145.31-
EPAEPTN - EPA Emergency Phone/Traffic Net	Daily	6 PM	3.917 +/-
Pennsylvania Traffic Net (CW)	Daily	7,10 PM	3.585
Third Region Net	Daily	4 PM	7.243 (3.917 –alt)
Eastern Area Net (EAN)	Daily	2:30 PM	7.243
Bucks County ARES	W	9 PM	147.090+
Montgomery County ARES	Th	7 PM	146.835- (pl 88.5)
EPA echo link traffic net (EAETN) Echolink AA3RG-R	Th	8 PM	146.640- (pl 82.5)

Find us on Facebook and Twitter
Join the conversation.
Follow us today!
http://facebook.com/rfhillarc http://twitter.com/W3AI

FISH Donations Accepted

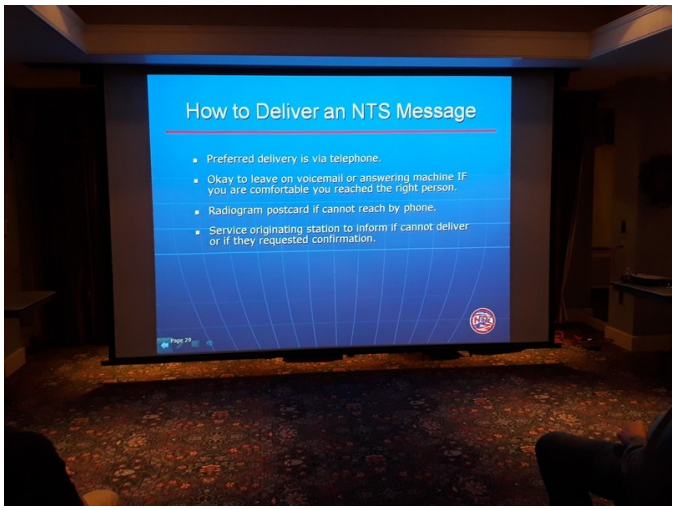
At the December Club meeting we will collect donations for the FISH (Fellowship In Serving Humanity) organization in Perkasie. I encourage you to go to their web site pennridgefish.org to see their current needs and what this organization does for the Community.

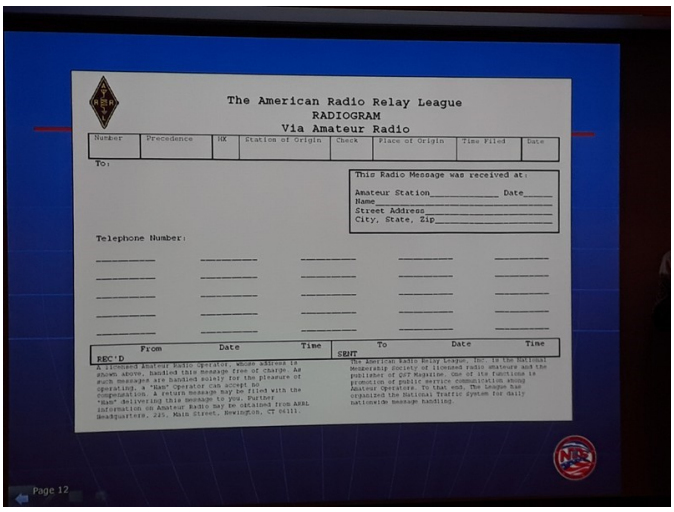
Many members contributed at the November meeting, and we will conclude the drive this month. RF Hill will also give a matching donation at the end of this campaign. (WA3YLQ)

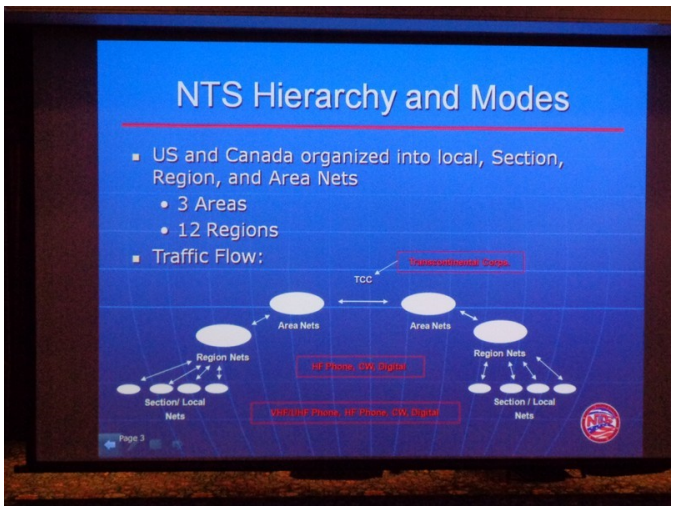
November VE Testing

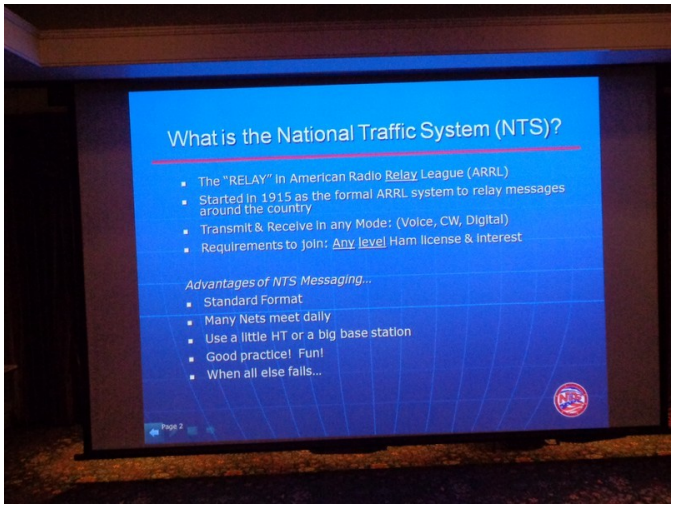
November Meeting Photos

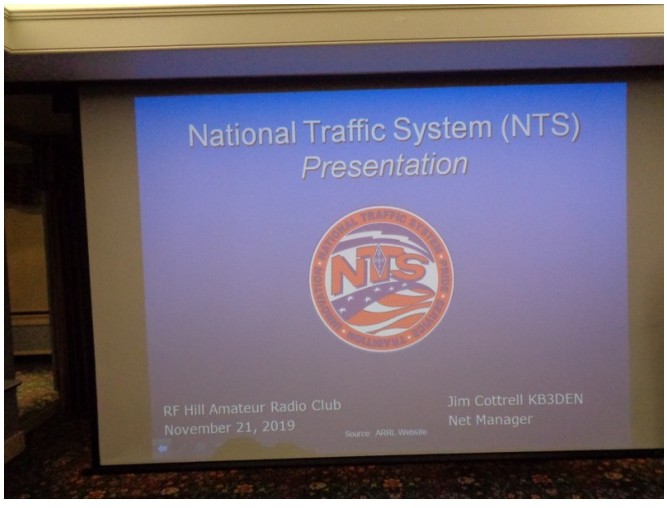
ARRL Radiogram Presentation



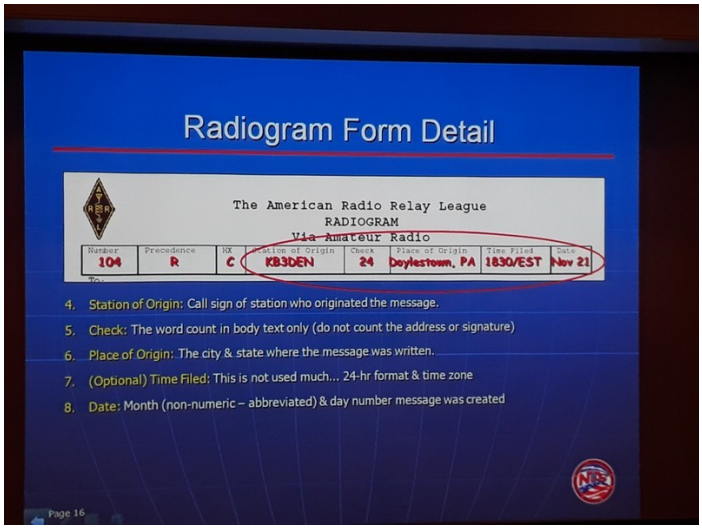


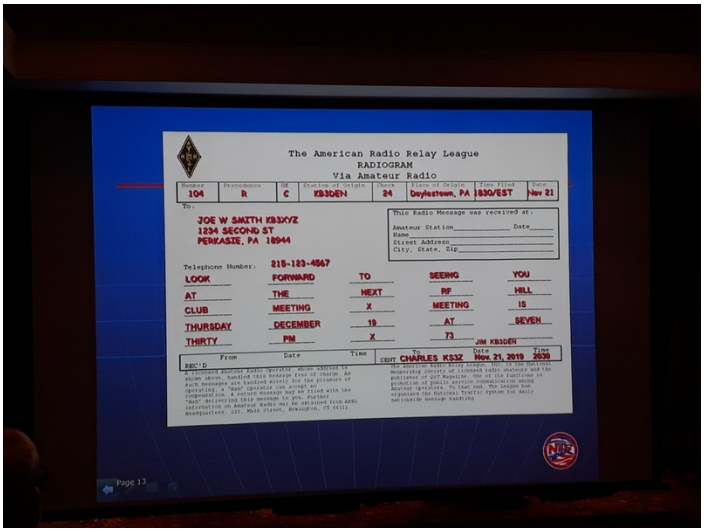






ARRL Radiogram Presentation, Continued





All photos courtesy Joe Rauchut, N3CRP

RF Hill ARC Meeting Minutes for November 22, 2019

Welcome/Call to Order/Pledge to the Flag – Jeff Lapin, KC3HHK, President
Roll Call 21 ARO's and 1 non ham guest in attendance

Officer Reports
President Jeff Lapin, KC3HHK called meeting to order. Jeff thanked all who came out tonight, and also the Officers who handled the October meeting in his absence. He announced that donations for FISH were being accepted this evening. Jeff also announced that David, N2VUZ would be doing a short presentation on the IO reflector and how to use the various features included.
Vice President No report. KB3HRP was absent.
Secretary Jim, WA3YLQ, stated that the October Minutes were published in the MHz Times. A motion to accept the minutes as published was made by KS3Z, seconded by W3TFF, Motion carried.

A first reading of the membership application of Chris Norton, W2PDN, was offered. Chris is a General Class operator from Lansdale. He is an ARRL member and has an interest in ARES/RACES. Chris stood before the group and spoke of some of his experiences and interests. He is proposed for membership by Dan, WA3NFV

Jim reported that as of this meeting approximately twenty members have paid their 2020 dues. Dues must be paid to participate in officer elections in January

Treasurer Lloyd, W3LMR reported that bills have been paid and the books are in order. A motion to accept the Treasurer's report was made by N3EOE, seconded by KB3EWV **.** Motion carried.

Committee Reports

Repeater Repeater is in operation. There are still questions re: possible fiber optic cable installation at site. Charles and Lloyd are monitoring situation.

No Report from VE, Hamfest, Auction, Field Day, Public Events or MHz Times.

Old Business none

New Business Jeff reminded all of Officer elections for 2020 which will be held in January. A Treasurer must be elected due to W3LMR's term of office ending. V-P, Ross, KB3HRP , would prefer to not serve a second term. A Nomination committee has been named. Members are; WA3NFV, KS3Z and N3EOE. Members interested in an office should talk to a member of the committee. Dues must be paid up to vote.

Dave, N2VUZ, presented a brief program on the use of the IO reflector. There are a few members who are not making use of the reflector. Dave and Charles, KS3Z, look after day to day operation of the reflector and can offer assistance if needed. Dave also explained the resources available on the IO web site.

Dave explained that he is working on a link to a site on which video copies of Club programs will be available. Dave will send this info out over the reflector.

Adjournment After an informal voice vote, the meeting was adjourned and the membership enjoyed refreshments. The Program followed.

Program: Jim, KB3DEN, our SEPPATN Net manager presented an outstanding power point on the National Traffic System and basic traffic handling procedures. Thanks Jim!

Respectfully Submitted:
Jim Soete, WA3YLQ, Secretary
RF Hill ARC

DECEMBER CONTESTS

ARS Spartan Sprint	0200Z-0400Z, Dec 3
Phone Fray	0230Z-0300Z, Dec 4
CWops Mini-CWT Test	1300Z-1400Z, Dec 4 and 1900Z-2000Z, Dec 4 and 0300Z-0400Z, Dec 5
QRP ARCI Topband Sprint	0000Z-0300Z, Dec 5
NRAU 10m Activity Contest	1800Z-1900Z, Dec 5 (CW) and 1900Z-2000Z, Dec 5 (SSB) and 2000Z-2100Z, Dec 5 (FM) and 2100Z-2200Z, Dec 5 (Dig)
SKCC Sprint Europe	2000Z-2200Z, Dec 5
NCCC RTTY Sprint	0145Z-0215Z, Dec 6
NCCC Sprint	0230Z-0300Z, Dec 6
ARRL 160-Meter Contest	2200Z, Dec 6 to 1600Z, Dec 8
UFT Contest	0500Z-0800Z, Dec 7 and 1500Z-1800Z, Dec 7 and 0700Z-1000Z, Dec 8
Wake-Up! QRP Sprint	0600Z-0629Z, Dec 7 and 0630Z-0659Z, Dec 7 and 0700Z-0729Z, Dec 7 and 0730Z-0800Z, Dec 7
SKCC Weekend Sprintathon	1200Z, Dec 7 to 2400Z, Dec 8
PRO CW Contest	1600Z, Dec 7 to 1559Z, Dec 8
International Naval Contest	1600Z, Dec 7 to 1559Z, Dec 8
FT8 Roundup	1800Z, Dec 7 to 2359Z, Dec 8
EPC Ukraine DX Contest	2000Z, Dec 7 to 1959Z, Dec 8
QRP ARCI Holiday Spirits Homebrew Sprint	2000Z-2300Z, Dec 8
4 States QRP Group Second Sunday Sprint	0100Z-0300Z, Dec 9
NAQCC CW Sprint	0130Z-0330Z, Dec 11
Phone Fray	0230Z-0300Z, Dec 11
CWops Mini-CWT Test	1300Z-1400Z, Dec 11 and 1900Z-2000Z, Dec 11 and 0300Z-0400Z, Dec 12
NCCC RTTY Sprint	0145Z-0215Z, Dec 13
NCCC Sprint	0230Z-0300Z, Dec 13
ARRL 10-Meter Contest	0000Z, Dec 14 to 2400Z, Dec 15
PODXS 070 Club Triple Play Low Band Sprint	0000Z, Dec 14 to 2359Z, Dec 16
TRC Digi Contest	0600Z, Dec 14 to 1800Z, Dec 15
CQC Great Colorado Snowshoe Run	2100Z-2259Z, Dec 15
Run for the Bacon QRP Contest	0200Z-0400Z, Dec 16
NAQCC CW Sprint	0130Z-0330Z, Dec 18
Phone Fray	0230Z-0300Z, Dec 18
CWops Mini-CWT Test	1300Z-1400Z, Dec 18 and 1900Z-2000Z, Dec 18 and 0300Z-0400Z, Dec 19
NCCC RTTY Sprint	0145Z-0215Z, Dec 20
NCCC Sprint	0230Z-0300Z, Dec 20
AGB-Party Contest	1600Z-1700Z, Dec 20
Russian 160-Meter Contest	2000Z-2400Z, Dec 20
OK DX RTTY Contest	0000Z-2400Z, Dec 21
Feld Hell Sprint	0000Z-2359Z, Dec 21
Gedebage CW Contest	1200Z, Dec 21 to 1159Z, Dec 22
Padang DX Contest	1200Z, Dec 22 to 1159Z, Dec 23
Croatian CW Contest	1400Z, Dec 21 to 1400Z, Dec 22
RAEM Contest	0000Z-1159Z, Dec 22
ARRL Rookie Roundup, CW	1800Z-2359Z, Dec 22
SKCC Sprint	0000Z-0200Z, Dec 25
Phone Fray	0230Z-0300Z, Dec 25
CWops Mini-CWT Test	1300Z-1400Z, Dec 25 and 1900Z-2000Z, Dec 25 and 0300Z-0400Z, Dec 26
DARC Christmas Contest	0830Z-1059Z, Dec 26
NCCC RTTY Sprint	0145Z-0215Z, Dec 27
NCCC Sprint	0230Z-0300Z, Dec 27
RAC Winter Contest	0000Z-2359Z, Dec 28
Original QRP Contest	1500Z, Dec 28 to 1500Z, Dec 29
Stew Perry Topband Challenge	1500Z, Dec 28 to 1500Z, Dec 29
QCX Challenge	1300Z-1400Z, Dec 30 and 1900Z-2000Z, Dec 30 and 0300Z-0400Z, Dec 31
Bogor Old and New Contest	0900Z-2359Z, Dec 31

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JANUARY CONTESTS

AGB New Year Snowball Contest	0000Z-0100Z, Jan 1
QRP Fox Hunt	0200Z-0330Z, Jan 1
Phone Fray	0230Z-0300Z, Jan 1
SARTG New Year RTTY Contest	0800Z-1100Z, Jan 1
AGCW Happy New Year Contest	0900Z-1200Z, Jan 1
CWops Mini-CWT Test	1300Z-1400Z, Jan 1 and 1900Z-2000Z, Jan 1 and 0300Z-0400Z, Jan 2
AGCW VHF/UHF Contest	1400Z-1700Z, Jan 1 (144) and 1700Z-1800Z, Jan 1 (432)
QRP ARCI New Years Sprint	1500Z-1800Z, Jan 1
UKEICC 80m Contest	2000Z-2100Z, Jan 1
NRAU 10m Activity Contest	1800Z-1900Z, Jan 2 (CW) and 1900Z-2000Z, Jan 2 (SSB) and 2000Z-2100Z, Jan 2 (FM) and 2100Z-2200Z, Jan 2 (Dig)
SKCC Sprint Europe	2000Z-2200Z, Jan 2
NCCC RTTY Sprint	0145Z-0215Z, Jan 3
QRP Fox Hunt	0200Z-0330Z, Jan 3
NCCC Sprint	0230Z-0300Z, Jan 3
PODXS 070 Club PSKFest	0000Z-2400Z, Jan 4
WW PMC Contest	1200Z, Jan 4 to 1200Z, Jan 5
RSGB AFS Contest, CW	1300Z-1700Z, Jan 4
ARRL RTTY Roundup	1800Z, Jan 4 to 2400Z, Jan 5
ARRL Kids Day	1800Z-2359Z, Jan 4
EUCW 160m Contest	2000Z-2300Z, Jan 4 and 0400Z-0700Z, Jan 5
IQRP Quarterly Marathon	0800Z, Jan 6 to 2000Z, Jan 12
ARS Spartan Sprint	0200Z-0400Z, Jan 7
QRP Fox Hunt	0200Z-0330Z, Jan 8
Phone Fray	0230Z-0300Z, Jan 8
CWops Mini-CWT Test	1300Z-1400Z, Jan 8 and 1900Z-2000Z, Jan 8 and 0300Z-0400Z, Jan 9
AWA Linc Cundall Memorial CW Contest and	2300Z, Jan 8 to 2300Z, Jan 9 2300Z, Jan 11 to 2300Z, Jan 12
NCCC RTTY Sprint	0145Z-0215Z, Jan 10
QRP Fox Hunt	0200Z-0330Z, Jan 10
NCCC Sprint	0230Z-0300Z, Jan 10
YB DX Contest	0000Z-2359Z, Jan 11
Old New Year Contest	0500Z-0900Z, Jan 11
UBA PSK63 Prefix Contest	1200Z, Jan 11 to 1200Z, Jan 12
SKCC Weekend Sprintathon	1200Z, Jan 11 to 2400Z, Jan 12
North American QSO Party, CW	1800Z, Jan 11 to 0559Z, Jan 12
NRAU-Baltic Contest, SSB	0530Z-0730Z, Jan 12
NRAU-Baltic Contest, CW	0800Z-1000Z, Jan 12
DARC 10-Meter Contest	0900Z-1059Z, Jan 12
Midwinter Contest	1000Z-1400Z, Jan 12
RSGB AFS Contest, Data	1300Z-1700Z, Jan 12
Classic Exchange, CW and	1400Z, Jan 12 to 0800Z, Jan 13 1400Z, Jan 13 to 0800Z, Jan 15
4 States QRP Group Second Sunday Sprint	0100Z-0300Z, Jan 13
QRP Fox Hunt	0200Z-0330Z, Jan 15
Phone Fray	0230Z-0300Z, Jan 15
CWops Mini-CWT Test	1300Z-1400Z, Jan 15 and 1900Z-2000Z, Jan 15 and 0300Z-0400Z, Jan 16
NAQCC CW Sprint	0130Z-0330Z, Jan 16
NCCC RTTY Sprint	0145Z-0215Z, Jan 17
QRP Fox Hunt	0200Z-0330Z, Jan 17
NCCC Sprint	0230Z-0300Z, Jan 17
LZ Open Contest	1800Z-2200Z, Jan 17
Hungarian DX Contest	1200Z, Jan 18 to 1159Z, Jan 19
RSGB AFS Contest, SSB	1300Z-1700Z, Jan 18
North American QSO Party, SSB	1800Z, Jan 18 to 0559Z, Jan 19
NA Collegiate Championship, SSB	1800Z, Jan 18 to 0559Z, Jan 19
ARRL January VHF Contest	1900Z, Jan 18 to 0359Z, Jan 20
WAB 1.8 MHz Phone/CW	1900Z-2300Z, Jan 18
Feld Hell Sprint and (ENA-ESA) and	2000Z-2359Z, Jan 18 (EU-AF) 2300Z, Jan 18 to 0259Z, Jan 19 0200Z-0559Z, Jan 19 (WNA-OC-AS)
Run for the Bacon QRP Contest	0200Z-0400Z, Jan 20
SKCC Sprint	0000Z-0200Z, Jan 22
QRP Fox Hunt	0200Z-0330Z, Jan 22
Phone Fray	0230Z-0300Z, Jan 22
CWops Mini-CWT Test	1300Z-1400Z, Jan 22 and 1900Z-2000Z, Jan 22 and 0300Z-0400Z, Jan 23
NAQCC CW Sprint	0130Z-0330Z, Jan 23
NCCC RTTY Sprint	0145Z-0215Z, Jan 24
QRP Fox Hunt	0200Z-0330Z, Jan 24
NCCC Sprint	0230Z-0300Z, Jan 24
CQ 160-Meter Contest, CW	2200Z, Jan 24 to 2200Z, Jan 26
REF Contest, CW	0600Z, Jan 25 to 1800Z, Jan 26
BARTG RTTY Sprint	1200Z, Jan 25 to 1200Z, Jan 26
UBA DX Contest, SSB	1300Z, Jan 25 to 1300Z, Jan 26
Winter Field Day	1900Z, Jan 25 to 1900Z, Jan 26
QCX Challenge	1300Z-1400Z, Jan 27 and 1900Z-2000Z, Jan 27 and 0300Z-0400Z, Jan 28
QRP Fox Hunt	0200Z-0330Z, Jan 29
Phone Fray	0230Z-0300Z, Jan 29
CWops Mini-CWT Test	1300Z-1400Z, Jan 29 and 1900Z-2000Z, Jan 29 and 0300Z-0400Z, Jan 30
UKEICC 80m Contest	2000Z-2100Z, Jan 29
NCCC RTTY Sprint	0145Z-0215Z, Jan 31
QRP Fox Hunt	0200Z-0330Z, Jan 31
NCCC Sprint	0230Z-0300Z, Jan 31

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FEBRUARY CONTESTS

Vermont QSO Party	0000Z, Feb 1 to 2400Z, Feb 2
10-10 Int. Winter Contest, SSB	0001Z, Feb 1 to 2359Z, Feb 2
F9AA Cup, CW	1200Z, Feb 1 to 1200Z, Feb 2
Black Sea Cup International	1200Z, Feb 1 to 1159Z, Feb 2
Mexico RTTY International Contest	1200Z, Feb 1 to 2359Z, Feb 2
FYBO Winter QRP Sprint	1400Z-2400Z, Feb 1
Minnesota QSO Party	1400Z-2400Z, Feb 1
British Columbia QSO Party	1600Z, Feb 1 to 0359Z, Feb 2
and	
	1600Z-2359Z, Feb 2
AGCW Straight Key Party	1600Z-1900Z, Feb 1
FISTS Winter Slow Speed Sprint	1700Z-2100Z, Feb 1
North American Sprint, CW	0000Z-0400Z, Feb 2
RSGB 80m Club Championship, SSB	2000Z-2130Z, Feb 3
ARS Spartan Sprint	0200Z-0400Z, Feb 4
QRP Fox Hunt	0200Z-0330Z, Feb 5
Phone Fray	0230Z-0300Z, Feb 5
CWops Mini-CWT Test	1300Z-1400Z, Feb 5 and
	1900Z-2000Z, Feb 5 and
	0300Z-0400Z, Feb 6
UKEICC 80m Contest	2000Z-2100Z, Feb 5
NRAU 10m Activity Contest	1800Z-1900Z, Feb 6 (CW) and
	1900Z-2000Z, Feb 6 (SSB) and
	2000Z-2100Z, Feb 6 (FM) and
	2100Z-2200Z, Feb 6 (Dig)
SKCC Sprint Europe	2000Z-2200Z, Feb 6
NCCC RTTY Sprint	0145Z-0215Z, Feb 7
QRP Fox Hunt	0200Z-0330Z, Feb 7
NCCC Sprint	0230Z-0300Z, Feb 7
CQ WW RTTY WPX Contest	0000Z, Feb 8 to 2359Z, Feb 9
SARL Field Day Contest	1000Z, Feb 8 to 1000Z, Feb 9
Asia-Pacific Spring Sprint, CW	1100Z-1300Z, Feb 8
Dutch PACC Contest	1200Z, Feb 8 to 1200Z, Feb 9
SKCC Weekend Sprintathon	1200Z, Feb 8 to 2400Z, Feb 9
KCJ Topband Contest	1200Z, Feb 8 to 1200Z, Feb 9
YLRL YL-OM Contest	1400Z, Feb 8 to 0200Z, Feb 10
OMISS QSO Party	1500Z, Feb 8 to 1500Z, Feb 9
FISTS Winter Unlimited Sprint	1700Z-2100Z, Feb 8
RSGB 1.8 MHz Contest	1900Z-2300Z, Feb 8
Balkan HF Contest	1300Z-1700Z, Feb 9
Classic Exchange, Phone	1400Z, Feb 9 to 0800Z, Feb 10
and	
	1400Z, Feb 11 to 0800Z, Feb 12
CQC Winter QSO Party	0100Z-0259Z, Feb 10
4 States QRP Group Second Sunday Sprint	0100Z-0300Z, Feb 10
ARRL School Club Roundup	1300Z, Feb 10 to 2359Z, Feb 14
NAQCC CW Sprint	0130Z-0330Z, Feb 12
QRP Fox Hunt	0200Z-0330Z, Feb 12
Phone Fray	0230Z-0300Z, Feb 12
CWops Mini-CWT Test	1300Z-1400Z, Feb 12 and
	1900Z-2000Z, Feb 12 and
	0300Z-0400Z, Feb 13
RSGB 80m Club Championship, Data	2000Z-2130Z, Feb 12
PODXS 070 Club Valentine Sprint	0000Z-2359Z, Feb 14
NCCC RTTY Sprint	0145Z-0215Z, Feb 14
QRP Fox Hunt	0200Z-0330Z, Feb 14
NCCC Sprint	0230Z-0300Z, Feb 14
ARRL Inter. DX Contest, CW	0000Z, Feb 15 to 2400Z, Feb 16
Russian PSK WW Contest	1200Z, Feb 15 to 1159Z, Feb 16
Feld Hell Sprint	1900Z-2059Z, Feb 15
AWA Amplitude Modulation QSO Party	2300Z, Feb 15 to 2300Z, Feb 16
Run for the Bacon QRP Contest	0200Z-0400Z, Feb 17
QRP Fox Hunt	0200Z-0330Z, Feb 19
Phone Fray	0230Z-0300Z, Feb 19
CWops Mini-CWT Test	1300Z-1400Z, Feb 19 and
	1900Z-2000Z, Feb 19 and
	0300Z-0400Z, Feb 20
AGCW Semi-Automatic Key Evening	1900Z-2030Z, Feb 19
NCCC RTTY Sprint	0145Z-0215Z, Feb 21
QRP Fox Hunt	0200Z-0330Z, Feb 21
NCCC Sprint	0230Z-0300Z, Feb 21
CQ 160-Meter Contest, SSB	2200Z, Feb 21 to 2200Z, Feb 23
REF Contest, SSB	0600Z, Feb 22 to 1800Z, Feb 23
UK/EI DX Contest, CW	1200Z, Feb 22 to 1200Z, Feb 23
SARL Digital Contest	1400Z-1700Z, Feb 23
High Speed Club CW Contest	1500Z-1700Z, Feb 23
QCX Challenge	1300Z-1400Z, Feb 24 and
	1900Z-2000Z, Feb 24 and
	0300Z-0400Z, Feb 25
SKCC Sprint	0000Z-0200Z, Feb 26
QRP Fox Hunt	0200Z-0330Z, Feb 26
Phone Fray	0230Z-0300Z, Feb 26
CWops Mini-CWT Test	1300Z-1400Z, Feb 26 and
	1900Z-2000Z, Feb 26 and
	0300Z-0400Z, Feb 27
UKEICC 80m Contest	2000Z-2100Z, Feb 26
RSGB 80m Club Championship, CW	2000Z-2130Z, Feb 27
NCCC RTTY Sprint	0145Z-0215Z, Feb 28
QRP Fox Hunt	0200Z-0330Z, Feb 28
NCCC Sprint	0230Z-0300Z, Feb 28
Russian WW MultiMode Contest	1200Z, Feb 29 to 1159Z, Mar 1
UBA DX Contest, CW	1300Z, Feb 29 to 1300Z, Mar 1
South Carolina QSO Party	1500Z, Feb 29 to 0159Z, Mar 1
NA Collegiate Championship, RTTY	1800Z, Feb 29 to 0559Z, Mar 1
North American QSO Party, RTTY	1800Z, Feb 29 to 0559Z, Mar 1

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