

The Ham Arundel News



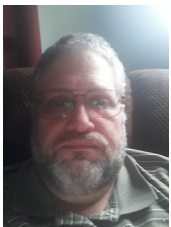
Providing Fellowship and Community Service through
Amateur Radio since 1951



February 2021

43rd Year of Publication

Prez Sez



Wanted to start by letting you know that we are well on our way to achieving our goals for this year.

This month we have some great presentations

February 4 The AARC Training Program

February 18 Contesting in Ham Radio

The Weekly email will have the Zoom Call information.

Finally, I wanted to remind everyone the Hamcation (Feb 13-14, 2021) is virtual this year and encourage everyone to check it out.

www.hamcation.com

The column is a short one this month because Eric injured his hand

FCC Reduces Proposed Amateur Radio Application Fee to \$35

The FCC has agreed with ARRL and other commenters that its proposed \$50 fee for certain amateur radio applications was "too high to account for the minimal staff involvement in these applications." In a *Report and Order (R&O)*, released on December 29, the FCC scaled back to \$35 the fee for a new license application, a special temporary authority (STA) request, a rule waiver request, a license renewal application, and a vanity call sign application. All fees are per application. Administrative updates, such as a change of mailing or email address, are exempt.

ARRL Letter, January 7, 2021

Editorial Note

We have included in this issue more local information regarding club activities. We hope to make this a continuing part of our newsletter coverage.

We are also including a more extensive list of contests over the month.

Arctic Base	Callsign	Frequencies (kHz)
JAPANESE	8J1RL	7074
ARGENTINA	LU1ZG	14074, 21076
RUSSIAN	RI01ANT	10136, 14021, 14074
UNITED STATES	KC4AAA	14232, 28074
UNITED STATES	KC4USV	14243
Icebreaker FS	DP0POL/MM	00-100 (Es'hail-2)
Polarstern, GR	DK3ZL	

FT-8, CW, Phone, SAT

Source: MDC Section tweet, January 15, 2021

Membership Licensing

Congratulations to the following new and upgraded members of the club:

Robert Sikora, KJ4ZVE, General
Gary Cooper, KC3QVG, Technician
Steve Thomas, KC3QQL, Technician
Chris Weber, NO3O, Extra
Steve Sauve, KB3ZGL, Technician
Kimberly Shaffer, KC3QPQ, Extra

Training News

Three training sessions are being planned for the year. They will be held on Saturday afternoons and held by Zoom and potentially simultaneously in person. In addition, AARC is considering the possibility of holding an Extra class in the future. Tentative start dates: Technician - spring session on 2/20, fall session on 9/25; General - 4/24. Classes would start at 1 pm.

Clubhouse Initiatives

The club is planning for a new collapsible tower and pedestal. The tower is from the amateur club at NASA Goddard after rehabs. This will require some changes inside the clubhouse. In addition the club will be upgrading the antenna panel, remote access and servers to the clubhouse.

Plans include replacement racks for equipment and installation of Yaesu digital receivers and gateways. This may be piloted with the 440 repeater.

The club has a new Icom 7300, Icom 9700 and Flex 6400 rigs so that members can evaluate equipment before they purchase their own equipment. There may be older Collins gear later after refurbishment of the equipment.

Other Initiatives

- Presentations are being developed for all meetings other than the Presentation Meeting. Website is being reviewed for updated content and information.
- Internet access to the clubhouse is being discussed.
- The club is planning upgrades to the workshop to allow more workspace for members.
- Purchased ID card printer. The card will have your picture, preferred logos and on the back the FCC license information.
- A new J-Pole installation is hopefully going to be installed by the end of February..
- The Antenna Committee is recommending the purchase of additional files for bands that do not presently have filters.
- The tentative dates for the Maryland QSO party is April 14. The date is concurrent with the regular testing date.





Calendar

Club

Due to social distancing requirements, club meetings are being held on Zoom and there have been some changes. The meeting schedule for February - May is:

February 4 - Membership Meeting, 7:30 PM, presentation topic: *Training Program*

February 11 - Board meeting

February 18 - Membership Presentation Meeting, 7:30 PM; subject: *Contesting*

March 4 - Membership Meeting, 7:30 PM

March 11 - Board meeting

March 18 - Membership Presentation Meeting, 7:30 PM

April 1 - Membership Meeting, 7:30 PM

April 8 - Board meeting

April 15 - Membership Presentation Meeting, 7:30 PM

April 15 - Taxes due (Federal, Maryland)

May 6 - Membership Meeting, 7:30 PM

May 13 - Board meeting

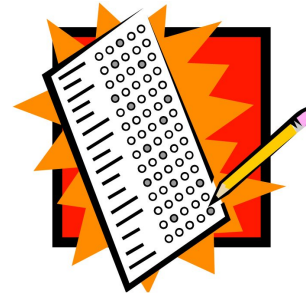
May 20 - Membership Presentation Meeting, 7:30 PM

Invitations to the membership meetings will be emailed to the membership before the meetings. You must request meeting information from the President for Board meetings or the Rules Committee Chairman for the committee meeting

Training

February 20 - Spring Technician Class begins

Testing



Testing for AARC and Maryland Mobileers has been canceled until further notice due to health restrictions by the state of Maryland due to the ongoing COVID-19 pandemic. PG County has attendance restrictions and exams are

likely cancelled in Laurel.

At press time restrictions on the opening of certain facilities are slowly being lifted and there may be a resumption of testing in February.

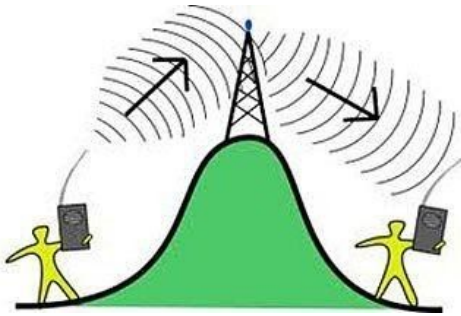
Skywarn

February 10, 7-9 pm. Skywarn Basics. Anne Arundel County, Registration:

<https://www.eventbrite.com/e/skywarn-basics-ann-arundel-county-md-tickets-132825977073>

AARC REPEATER FREQUENCIES

Davidsonville	Millersville	Glen Burnie	Annapolis
147.105+		147.075+	
223.880-	224.560-		
444.400+			442.300+



PL 107.2 is active for all repeaters
The 147.105, 147.075 and 444.400 repeaters are frequently linked. Please allow 2-3 seconds after the courtesy beep to allow for the link to reset.

Visiting AARC

Visitors are welcome at all meetings and on all nets.

Meetings are held in the Clubhouse at the Davidsonville Family Recreation Center, Queen Anne Bridge and Waysons Roads off Rt. 214 near Davidsonville, MD.

For en-route directions make contact on the 147.105 repeater.

AARC Service Frequencies



When assisting in community events, Field Days or races, AARC uses 146.430 MHz as the primary communications frequency. In the event the frequency is busy, the backup is 146.475 MHz.

Repeaters

2 Meter Repeaters

Location	Frequency	Tone	Notes
Davidsonville	147.105+	107.2	AARC Repeater with morning traffic net.
Glen Burnie	147.075+	107.2	AARC repeater Located in Northern AA County.
Brandywine	147.150+	114.8	SMARC Repeater.
Prince Frederick	145.350-	156.7	SPARC/CARC Repeater.
Laurel	147.225+	156.7	Laurel ARC Repeater.
Millersville	146.805-	107.2	Repeater.
Barstow	145.350-	156.7	SPARC Repeater
Baltimore	147.030+	156.7	BRATS Repeater.
Westminster	145.410-	114.8	CCARC Repeater
Sykesville	147.285+	107.2	CCARC Repeater
Columbia	147.135+	156.7	Columbia ARC Repeater
Cooksville	147.390+	156.7	Columbia ARC Repeater
Bladensburg	146.610	N/A	GMRA Repeater
Greenbelt	146.880	N/A	GMRA Repeater

1.25 Meter Repeaters

Location	Frequency	Tone	Notes
Davidsonville	223.880-	107.2	AARC 1.25M repeater *check to see if tied into 7.105...
Millersville	224.560-	107.2	AARC repeater Located in Northern AA County.
Barstow	223.960-	186.2	Southern MD Digital Group, analog
Baltimore	224.960-	N/A	BRATS Repeater.

70cm Repeaters

Location	Frequency	Tone	Notes
Davidsonville	444.400+	107.2	AARC 70 cm Repeater.
Annapolis	442.300+	107.2	AARC 70 cm Repeater
Millersville	449.125-	107.2	Maryland Mobileers Repeater.
Upper Marlboro	443.600+	103.5	SMARC 70 cm Repeater.
Sunderland	444.950+	156.7	CARC 70 cm Repeater
Baltimore	448.325-	N/A	BRATS 70 cm Repeater
Westminster	449.875-	127.3	CCARC 70 cm Repeater, FM and C4FM
Baltimore City	448.275-	156.7	Columbia ARC Repeater
Columbia	449.475-	156.7	Columbia ARC Repeater

Packet Stations

Location	Frequency	Call	Notes
Davidsonville	145.050	W3VPR	AARC Club packet node running JNOS
Davidsonville	145.010	W3VPR-5	Digipeter Relay to EOC Winlink
Millersville	145.010	W3AAC-5	Digipeter Relay to EOC Winlink
Glen Burnie	145.010	W3AAC-10	EOC Winlink system and digipeter

N/A - no tone required

Amateur Radio NETS

Day	Name	Frequency (MHz)	Time
Daily	Baltimore Traffic Net	146.670	1830
Daily	Maryland Emergency Phone Net	3.820	1800
Daily	Maryland-DC-Delaware Traffic Net	3.643	1900 and 2200
Daily	Maryland Slow Net	3.563	1930
Weekdays	The "Holly Net"	147.105+ PL107.2 147.075+ PL107.2 440.400+ PL107.2	0700
Sunday	AA County ARES Net	146.805- PL107.2	2000
Sunday	Columbia Group Net	147.135+ PL156.7 147.390+ PL156.7 448.275- PL156.7 448.275-PL156.7	2100
Sunday (1st)	REACT Net	442.300+ PL107.2	1930
Monday	Calvert ARA Net	145.350- PL156.7	1930
Monday	Maryland Mobileers Net	146.805 PL107.2	1930
Monday	Queen Anne's ARC Net	146.940- PL107.2	2000
Monday	Delmarva Amateur Radio Enhancement Net	146.820- PL156.7	2100
Tuesday	Kent Amateur Radio Society 2-meter Net	147.375+ PL156.7	1900
Tuesday (3rd)	Anne Arundel - CERT	442.300+ PL107.2	1900
Wednesday	Boating Net	146.805- PL107.2	1930
Wednesday	Elmer Net	145.350- PL156.7	1930
Wednesday	AARC Talk Net	147.105+ PL107.2 147.075+ PL107.2 440.400+ PL107.2	2000
Wednesday (2nd)	AERO 440 Net	449.575- PL123.1	2000
Wednesday (4th)	AERO 140 Net	147.240+ PL123.1	2000
Wednesday (odd)	Laurel Bi-weekly Club Net	147.225+ PL 156.7	2030

**The Ham Arundel News is the official
publication of**

The Anne Arundel Radio Club

(ARRL Club No.0484)

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Send newsletter articles, information and
questions to: newsletter@w3vpr.org

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Meetings:

Business Meeting 1st Thursday at 7:30 PM
Program/Activity 3rd Thursday at 7:30 PM
Board Meeting - see calendar

Dues:

\$30 per year, payable December 1st
Discounts available for family members and
students

World Wide Web: www.w3vpr.org

AARC supports the Maryland Slow Net:
3.563 MHz CW 7:30 PM

**Ham Arundel News March
Deadline**

The deadline for the March 2021 issue of the
newsletter will be Thursday, February 25. If
you have something you wish to share or
contribute, please email newsletter@w3vpr.org
and include "NEWSLETTER" in the subject
line.

Other members may appreciate hearing of your
experiments, projects and ideas. While you may
have shared these on the Holly Net or the
Wednesday 2-meter net, others may be inspired by
your story. Items that may be dated should be
received as close to the publication date as
possible.

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**WSJT-X 2.4.0 to Introduce New Digital Protocol  
Q65**

WSJT-X version 2.4.0 will introduce a new digital  
protocol called Q65, which, according to the [Quick  
Start Guide](#), is designed for "minimal two-way QSOs  
over especially difficult propagation paths." The  
*Guide* said, "On paths with Doppler spread more  
than a few hertz, the weak-signal performance of  
Q65 is the best among all WSJT-X modes. Q65 is  
particularly effective for tropospheric scatter,  
ionospheric scatter, and EME on VHF and higher  
bands, as well as other types of fast-fading  
signals."

The new protocol uses 65-tone frequency-shift  
keying and builds on the demonstrated weak-signal  
strengths of QRA64, introduced in 2016. User  
messages and sequencing are identical to those in  
FT4, FT8, FST4, and MSK144. Q65 employs a  
"unique tone" to sync time and frequency. "As with  
JT65, this 'sync tone' is readily visible on the  
waterfall spectral display," the *Guide* said.

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The Anne Arundel Radio Club

**Is a registered 501(c)(3)
Organization**

**We appreciate any contribution
Over your dues**

ARRL News

ARRL Seeks Nominations for Seven Awards

ARRL invites nominations for awards that recognize excellence in amateur radio educational, technological, and public relations pursuits. Nominations are also open for the Hiram Percy Maxim Award, ARRL's premier award to honor a young licensee.

The Hiram Percy Maxim Award

The Hiram Percy Maxim Award is the premier honor for a radio amateur and ARRL member younger than 21 whose accomplishments and contributions are of the most exemplary nature within the framework of amateur radio activities. Nominations must be made through your ARRL Section Manager, who will forward nominations to ARRL Headquarters by March 31, 2021. Nomination forms and supporting information should document as thoroughly as possible the nominee's amateur radio achievements and contributions during the previous calendar year.

The ARRL Herb S. Brier Instructor of the Year Award

This award honors an ARRL volunteer amateur radio instructor or professional classroom teacher who uses creative instructional approaches and reflects the highest values of the amateur radio community. The award highlights quality of -- and commitment to -- licensing instruction. Nominations are due by March 15, 2021.

Technical Awards

The ARRL Microwave Development Award pays tribute to a radio amateur or group of radio amateurs who contribute to the development of the amateur radio microwave bands. The nomination deadline is March 31, 2021.

The ARRL Technical Service Award recognizes a radio amateur or group of radio amateurs who provide amateur radio technical assistance or training to others. The nomination deadline is March 31, 2021.

The ARRL Technical Innovation Award commends a radio amateur or group of radio amateurs who develop and apply new technical ideas or techniques in amateur radio. The nomination deadline is March 31, 2021.

The Knight Distinguished Service Award

The Knight Distinguished Service Award honors exceptional contributions by an ARRL Section Manager to the health and vitality of ARRL. The nomination deadline is April 30, 2021. It was named for Joe T. Knight, W5PDY (SK), who was commended for his exemplary service not only as ARRL New Mexico Section Manager for more than a quarter-century, but for his willingness to share his knowledge and leadership skills.

The Philip J. McGan Memorial Silver Antenna Award

The ARRL Public Relations Committee invites nominations for the Philip J. McGan Memorial Silver Antenna Award. This award recognizes and honors the efforts of an ARRL member-volunteer who demonstrates success in amateur radio public relations and creates greater awareness and understanding for amateur radio through efforts focused on the media and general public. The nomination deadline is May 14, 2021.

ARRL Letter, January 14, 2021

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At

<<https://phys.org/news/2020-12-earthlings-astronauts-chat-ham-radio.html>> amateur radio on the ISS is discussed with information about Ricky Arnold, who is a native of Bowie.



## New Amateur VLF Transatlantic Record Set

Very low frequency (VLF) enthusiast Joe Craig, VO1NA, reports that Stefan Schaefer, DK7FC, copied his 50-character message transmitted from Newfoundland on 8.271 kHz, with a radiated power of 10 mW. "This is a new record for amateur transatlantic VLF," Craig told ARRL. "The mode used was [EbNaut](#) by Paul Nicholson. *EbNaut* is a synchronous coherent BPSK mode for use at VLF and LF. Craig's tower supports a VLF RL (rotated L) 10-meter (33 feet) average height and 100 meters (328 feet) long. VLF is the ITU designation for radio spectrum in the range of 3 - 30 kHz, corresponding to wavelengths from 100 to 10 kilometers, respectively. "Since VLF waves can penetrate at least 40 meters (131 feet) into saltwater, they are used for military communication with submarines," Craig noted.

*ARRL Letter*, January 14, 2021

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QSO Today Expo to Include Speaker Track on Amateur Radio Satellites

The [QSO Today Virtual Ham Expo](#) on March 13 - 14 will devote a speaker track to AMSAT and the world of amateur radio satellites.

The expo is in "full planning mode" and promises "many exciting new things" for the upcoming event, which will include a world-class lineup of more than 60 speakers and workshops for beginners to experts. Presenters at nine AMSAT sessions will discuss the broad spectrum of ham radio satellites, including:

- Introduction to Amateur Radio Satellites (Douglas Quagliana, KA2UPW)
- Getting on the Air with Satellites (Clint Bradford, K6LCS)

- How to Enjoy Amateur Radio Contacts with the International Space Station (Frank Bauer, KA3HDO)
- Implementation of LDPC Encoder on FPGA (Anshul Makkar)
- Debris Mitigation in Earth's Orbit (Anshul Makkar)
- Digital Multiplexing Transponder from the Open Research Institute (Michelle Thompson, W5NYV)
- Solving the ITAR and EAR Problem for the Amateur Radio Satellite Service (Michelle Thompson, W5NYV)
- Remote Labs for P4XT Engineering Development (Paul Williamson, KB5MU)

ARRL Letter, January 28, 2021

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## 2021 is the centennial of the Finnish Amateur Radio League ([SRAL](#)).

The special anniversary call sign OH100SRAL is being used throughout the year. Working at least 100 Finnish stations during 2021 qualifies the operator for an award. The SRAL's OH0W call sign will be on the air from the Aland Islands from January 29 - February 3 for the CQ World Wide 160-Meter Contest (CW) and a few days afterward. Operators will include Niko Halminen, OH2GEK; Martti Laine, OH2BH, and Pertti Simovaara, OH2PM.

*ARRL Letter*, January 28, 2021



## Contest Corral

February 2021

Check for updates and a downloadable PDF version online at [www.arrl.org/contest-calendar](http://www.arrl.org/contest-calendar).

Refer to the contest websites for full rules, scoring information, operating periods or time limits, and log submission information.

| Start Date-Time | Finish Date-Time | Bands        | Contest Name                            | Mode      | Exchange                                           | Sponsor's Website                                                                            |
|-----------------|------------------|--------------|-----------------------------------------|-----------|----------------------------------------------------|----------------------------------------------------------------------------------------------|
| 1 0000          | 1 0100           | 3.5-14       | K1USN Slow Speed Test                   | CW        | Name, SPC, 20 WPM max                              | <a href="http://www.k1usn.com/sst.html">www.k1usn.com/sst.html</a>                           |
| 1 2000          | 1 2130           | 3.5          | RSGB 80-Meter Club Championship, SSB    | Ph        | RS, serial                                         | <a href="http://www.rsgbcc.org/hf">www.rsgbcc.org/hf</a>                                     |
| 2 0100          | 2 0159           | 1.8-50       | Worldwide Sideband Activity Contest     | Ph        | RS, age group (OM, YL, or youth)                   | <a href="http://wwsac.com/rules.html">wwsac.com/rules.html</a>                               |
| 2 0200          | 2 0400           | 3.5-28       | ARS Spartan Sprint                      | CW        | RST, SPC, power                                    | <a href="http://arsqrp.blogspot.com">arsqrp.blogspot.com</a>                                 |
| 2 1700          | 2 1900           | 3.5-14       | RTTY OPS Weeksprint                     | Dig       | Other station's call, your call, serial, name      | <a href="http://rttyops.wordpress.com">rttyops.wordpress.com</a>                             |
| 3 1300          | 3 1400           | 1.8-28       | CWops Mini-CWT Test                     | CW        | Name, mbr or SPC                                   | <a href="http://cwops.org/cwops-tests">cwops.org/cwops-tests</a>                             |
| 3 1700          | 3 2000           | 144          | VHF-UHF FT8 Activity Contest            | Dig       | 4-char grid square                                 | <a href="http://ft8activity.eu/index.php/en">ft8activity.eu/index.php/en</a>                 |
| 3 1900          | 3 2000           | 1.8-28       | CWops Mini-CWT Test                     | CW        | Name, mbr or SPC                                   | <a href="http://cwops.org/cwops-tests">cwops.org/cwops-tests</a>                             |
| 3 2000          | 3 2100           | 3.5          | UKEICC 80-Meter Contest                 | Ph        | 6-char grid square                                 | <a href="http://ukeicc.com/80m-rules.php">ukeicc.com/80m-rules.php</a>                       |
| 4 0300          | 4 0400           | 1.8-28       | CWops Mini-CWT Test                     | CW        | Name, mbr or SPC                                   | <a href="http://cwops.org/cwops-tests">cwops.org/cwops-tests</a>                             |
| 4 1800          | 4 2200           | 28           | NRAU 10-Meter Activity Contest          | CW Ph Dig | RS(T), 6-char grid square                          | <a href="http://nrrlcontest.no/index.php">nrrlcontest.no/index.php</a>                       |
| 4 2000          | 4 2200           | 1.8-50       | SKCC Sprint Europe                      | CW        | RST, SPC, name, mbr or "none"                      | <a href="http://www.skccgroup.com">www.skccgroup.com</a>                                     |
| 5 0145          | 5 0215           | 1.8-21       | NCCC RTTY Sprint                        | Dig       | Serial, name, QTH                                  | <a href="http://www.ncccsprint.com">www.ncccsprint.com</a>                                   |
| 5 0230          | 5 0300           | 1.8-21       | NCCC Sprint                             | CW        | Serial, name, QTH                                  | <a href="http://www.ncccsprint.com">www.ncccsprint.com</a>                                   |
| 6 0000          | 7 2359           | 1.8-UHF      | Vermont QSO Party                       | CW Ph Dig | RS(T), county or SPC                               | <a href="http://www.ranv.org/vtqso.html">www.ranv.org/vtqso.html</a>                         |
| 6 0001          | 7 2359           | 28           | 10-10 International Winter Contest, SSB | Ph        | Name, mbr or "0," SPC                              | <a href="http://www.ten-ten.org">www.ten-ten.org</a>                                         |
| 6 0300          | 6 1200           | 1.8-28       | EurAsia HF Championship                 | CW Ph     | RS(T), 6-char grid square                          | <a href="http://www.eurasia-contest.com">www.eurasia-contest.com</a>                         |
| 6 1200          | 7 1200           | 1.8          | KCJ Topband Contest                     | CW        | RST, JA Prefecture/District or continent           | <a href="http://www.kcj-cw.com/e_index.htm">www.kcj-cw.com/e_index.htm</a>                   |
| 6 1200          | 7 1200           | 3.5-28, 144  | F9AA Cup, CW                            | CW        | RST, serial                                        | <a href="http://www.site.urc.asso.fr">www.site.urc.asso.fr</a>                               |
| 6 1200          | 7 2359           | 3.5-28       | Mexico RTTY International Contest       | Dig       | RST, XE state or serial                            | <a href="http://www.rtty.fmr.mx">www.rtty.fmr.mx</a>                                         |
| 6 1400          | 6 2359           | 1.8-28       | Minnesota QSO Party                     | CW Ph Dig | Name, county or SPC                                | <a href="http://www.w0aa.org/mnqp-rules">www.w0aa.org/mnqp-rules</a>                         |
| 6 1400          | 6 2359           | 1.8-28       | FYBO Winter QRP Sprint                  | CW Ph Dig | RS(T), SPC, name, power, temperature               | <a href="http://arizonascqrptions.apps-1and1.com">arizonascqrptions.apps-1and1.com</a>       |
| 6 1600          | 6 1800           | 3.5-28       | FISTS Saturday Sprint                   | CW        | RST, SPC, name, mbr or "0"                         | <a href="http://fistsna.org">fistsna.org</a>                                                 |
| 6 1600          | 6 1900           | 3.5          | AGCW Straight Key Party                 | CW        | RST, serial, class, name, age                      | <a href="http://alt.agcw.de/index.php/en">alt.agcw.de/index.php/en</a>                       |
| 6 1600          | 7 2359           | 1.8-28       | British Columbia QSO Party              | CW Ph Dig | RS(T), VE7 District or SPC                         | <a href="http://orcadxc.org/bcqp_rules.html">orcadxc.org/bcqp_rules.html</a>                 |
| 6 2300          | 7 0300           | 3.5-14       | North American Sprint, CW               | CW        | Other station's call, your call, serial, name, SPC | <a href="http://ncjweb.com">ncjweb.com</a>                                                   |
| 8 1300          | 12 2359          | All, no WARC | ARRL School Club Roundup                | CW Ph     | RS(T), class (I/C/S), SPC                          | <a href="http://www.arrl.org/school-club-roundup">www.arrl.org/school-club-roundup</a>       |
| 10 0130         | 10 0330          | 3.5-14       | NAQCC CW Sprint                         | CW        | RST, SPC, mbr or power                             | <a href="http://naqcc.info">naqcc.info</a>                                                   |
| 10 1700         | 10 2000          | 432          | VHF-UHF FT8 Activity Contest            | Dig       | 4-char grid square                                 | <a href="http://ft8activity.eu/index.php/en">ft8activity.eu/index.php/en</a>                 |
| 10 2000         | 10 2130          | 3.5          | RSGB 80-Meter Club Championship, Data   | Dig       | RST, serial                                        | <a href="http://www.rsgbcc.org/hf">www.rsgbcc.org/hf</a>                                     |
| 13 0000         | 14 2359          | 3.5-28       | CQ WW RTTY WPX Contest                  | Dig       | RST, serial                                        | <a href="http://www.cqwprrty.com">www.cqwprrty.com</a>                                       |
| 13 1000         | 14 1000          | 1.8-28       | SARL Field Day Contest                  | CW Ph Dig | RS(T), # of transmitters, category, QTH            | <a href="http://www.sarl.org/za">www.sarl.org/za</a>                                         |
| 13 1100         | 13 1300          | 7, 14        | Asia-Pacific Spring Sprint, CW          | CW        | RST, serial                                        | <a href="http://jsfc.org/apsprint/aprule.txt">jsfc.org/apsprint/aprule.txt</a>               |
| 13 1200         | 14 1200          | 1.8-28       | Dutch PACC Contest                      | CW Ph     | RS(T), province or serial                          | <a href="http://pacc.veron.nl">pacc.veron.nl</a>                                             |
| 13 1200         | 14 2359          | 1.8-50       | SKCC Weekend Sprintathon                | CW        | RST, SPC, name, mbr or "none"                      | <a href="http://www.skccgroup.com">www.skccgroup.com</a>                                     |
| 13 1400         | 15 0200          | All          | YLRL YL-OM Contest                      | CW Ph Dig | Serial, RS(T), SPC                                 | <a href="http://ylrl.org/wp/yl-om-contest">ylrl.org/wp/yl-om-contest</a>                     |
| 13 1500         | 14 1500          | 1.8-28       | OMISS QSO Party                         | Ph        | RS, SPC, mbr or "none"                             | <a href="http://omiss.net/Facelift/qso-party.php">omiss.net/Facelift/qso-party.php</a>       |
| 13 1900         | 13 2059          | 1.8-28       | Field Hell Sprint                       | Dig       | RST, name, mbr, QTH, grid                          | <a href="http://sites.google.com/site/fieldhellclub">sites.google.com/site/fieldhellclub</a> |
| 13 1900         | 13 2300          | 1.8          | RSGB 1.8-MHz Contest                    | CW        | RST, serial, district code (if UK/EI)              | <a href="http://www.rsgbcc.org/hf">www.rsgbcc.org/hf</a>                                     |
| 13 2300         | 14 2300          | 1.8-14       | AWA AM QSO Party                        | Ph        | Name, SPC                                          | <a href="http://antiquewireless.org/homepage">antiquewireless.org/homepage</a>               |
| 14 0000         | 14 2359          | 1.8-7        | PODXS 070 Club Valentine Sprint         | Dig       | Name, OM/YL, SPC                                   | <a href="http://www.podxs070.com">www.podxs070.com</a>                                       |
| 14 1300         | 14 1700          | 3.5, 7       | Balkan HF Contest                       | CW Ph     | RS(T), serial                                      | <a href="http://arabih.ba">arabih.ba</a>                                                     |
| 15 0100         | 15 0259          | 3.5-14       | CQC Winter QSO Party                    | CW        | RST, SPC                                           | <a href="http://coloradoqrpclub.org/contests">coloradoqrpclub.org/contests</a>               |
| 15 0100         | 15 0300          | 1.8-28       | 4 States QRP Group Second Sunday Sprint | CW Ph     | RS(T), SPC, mbr or power                           | <a href="http://www.4sqrp.com">www.4sqrp.com</a>                                             |
| 15 2000         | 15 2130          | 3.5          | RSGB FT4 Contest Series                 | Dig       | 4-char grid square                                 | <a href="http://www.rsgbcc.org/hf">www.rsgbcc.org/hf</a>                                     |
| 17 1900         | 17 2030          | 3.5          | AGCW Semi-Automatic Key Evening         | CW        | RST, serial, 2-digit year first used a bug         | <a href="http://alt.agcw.de/index.php/en">alt.agcw.de/index.php/en</a>                       |
| 20 0000         | 21 2359          | 1.8-28       | ARRL International DX Contest, CW       | CW        | WVE: RST, SP, Non-WVE: RST, power                  | <a href="http://www.arrl.org/arrl-dx">www.arrl.org/arrl-dx</a>                               |
| 20 1200         | 21 1159          | 1.8-28       | Russian PSK WW Contest                  | Dig       | RST, oblast or serial                              | <a href="http://www.rdrclub.ru">www.rdrclub.ru</a>                                           |
| 21 2100         | 21 2300          | 3.5-28       | FISTS Sunday Sprint                     | CW        | RST, SPC, name, mbr or "0"                         | <a href="http://fistsna.org">fistsna.org</a>                                                 |
| 21 2300         | 22 0100          | 1.8-28       | Run for the Bacon QRP Contest           | CW        | RST, SPC, mbr or power                             | <a href="http://qrpcontest.com/pigrun">qrpcontest.com/pigrun</a>                             |
| 24 0000         | 24 0200          | 1.8-50       | SKCC Sprint                             | CW        | RST, SPC, name, mbr or "none"                      | <a href="http://www.skccgroup.com">www.skccgroup.com</a>                                     |
| 24 2000         | 24 2100          | 3.5          | UKEICC 80-Meter Contest                 | CW        | 6-char grid square                                 | <a href="http://ukeicc.com/80m-rules.php">ukeicc.com/80m-rules.php</a>                       |
| 25 2000         | 25 2130          | 3.5          | RSGB 80-Meter Club Championship, CW     | CW        | RST, serial                                        | <a href="http://www.rsgbcc.org/hf">www.rsgbcc.org/hf</a>                                     |
| 26 2200         | 28 2200          | 1.8          | CQ 160-Meter Contest, SSB               | Ph        | WVE: RS, SP, DX: RS, CQ Zone                       | <a href="http://www.cq160.com">www.cq160.com</a>                                             |
| 27 0600         | 28 1800          | 3.5-28       | REF Contest, SSB                        | Ph        | RS, department or serial                           | <a href="http://concoeurs.r-e-f.org/reglements">concoeurs.r-e-f.org/reglements</a>           |
| 27 1200         | 28 1200          | 3.5-28       | FTn DX Contest                          | Dig       | RST, SP or serial                                  | <a href="http://europeant8club.wordpress.com">europeant8club.wordpress.com</a>               |
| 27 1300         | 28 1300          | 3.5-28       | UBA DX Contest, CW                      | CW        | RST, serial, province (if ON)                      | <a href="http://www.uba.be/en">www.uba.be/en</a>                                             |
| 27 1500         | 28 0159          | 1.8-50       | South Carolina QSO Party                | CW Ph Dig | RS(T), county or SPC                               | <a href="http://scqso.com">scqso.com</a>                                                     |
| 27 1800         | 28 0559          | 3.5-28       | North American QSO Party, RTTY          | Dig       | Name, SPC                                          | <a href="http://www.nciweb.com">www.nciweb.com</a>                                           |
| 27 1800         | 28 0559          | 3.5-28       | NA Collegiate Championship, RTTY        | Dig       | Name, SPC                                          | <a href="http://www.w9smc.com/nacc">www.w9smc.com/nacc</a>                                   |
| 28 1400         | 3 0800           | 1.8-144      | Classic Exchange, CW                    | CW        | Name, RST, SPC, rig, manual/model                  | <a href="http://www.classicexchange.org">www.classicexchange.org</a>                         |
| 28 1400         | 28 1700          | 3.5-28       | High Speed Club CW Contest              | CW        | RST, mbr or "NM"                                   | <a href="http://www.highspeedclub.org">www.highspeedclub.org</a>                             |
| 28 1500         | 1 0059           | 3.5-144      | North Carolina QSO Party                | CW Ph Dig | County or SPC                                      | <a href="http://ncqsoparty.org/rules">ncqsoparty.org/rules</a>                               |

There are a number of weekly contests not included in the table above. For more info, visit: [www.qrpfloxhunt.org](http://www.qrpfloxhunt.org), [www.ncccsprint.com](http://www.ncccsprint.com), and [www.cwops.org](http://www.cwops.org). All dates refer to UTC and may be different from calendar dates in North America. Contests are not conducted on the 60-, 30-, 17-, or 12-meter bands. Mbr = Membership number. Serial = Sequential number of the contact. SPC = State, Province, DXCC Entity, XE = Mexican state. Listings in blue indicate contests sponsored by ARRL or NCJ. The latest time to make a valid contest QSO is the minute listed in the "Finish Time" column. Data for Contest Corral is maintained on the WATBNM Contest Calendar at [www.contestcalendar.com](http://www.contestcalendar.com) and is extracted for publication in QST 2 months prior to the month of the contest. ARRL gratefully acknowledges the support of Bruce Horn, WATBNM, in providing this service.