

K5PRK Newsletter



[PARK's FaceBook](#)

[K5PRK Website](#)

[GroupsIO list](#)



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In this Issue

[December meeting and Christmas Party Location](#)

[Meals on Wheels – Thanksgiving thoughts](#)

[Build your own Buddipole antenna](#)

[Weatherproof extension cord connections](#)

[Winter MARC 2M FM simplex contest](#)

[Area Nets](#)

[Ham Radio references](#)

[Contests](#)

December 16 meeting and Christmas Party will be held at the **Golden Corral, 3425 Premier Drive** at 5:30pm.

Raffle prizes, including radios, will be given away by drawings. Tickets will be available to purchase. Pay your 2020 dues for more tickets.

Upcoming Activities

Dec 25 – [Meals on Wheels](#)

Jan 25 – Winter Field Day – Details coming soon

Future Club Meeting Programs

January 20 - **Weather Trends for 2020** – Roy Ponder

February 17 - **Parks On the Air** - Andrew Barns

December 2019

Repeaters

The Plano Amateur Radio Klub operates five repeaters, which are located in Allen, Texas about 180 feet above ground level. All licensed amateur operators are welcome to join us on the air. All repeaters are open.

147.180 MHz + (PL 107.2)
K5PRK VHF Voice Repeater

NEWS ALERT:
ECHOLINK is operational on
147.18. Link to K5PRK-R to get
connected.

444.250 MHz + (PL 79.7)
K5PRK UHF Voice Repeater

441.575 MHz +
DStar UHF Digital Voice Port B

1295.000 MHz – 20.000
DStar 23cm Digital Voice Port B

1255.000 MHz
DStar 23cm Digital Data

The Visiting Nurses Association Thanksgiving and Christmas Day Meals on Wheels

is an event to give the regular volunteers that deliver the meals on a daily bases a time to relax and to allow volunteer families and groups like the Ham radio , the Jesuit school and the SI church group. This event has been going on for about 25 to 30 yrs if I remember correctly.

I moved to the area in 2001 and have been doing the event every yr since for both Thanksgiving Day and Christmas Day. In the early yrs there was a 4 story building and we would have net control operate out of the top floor large break room where we would start out with cookies and hot drinks. At this time net control would keep track of the route numbers as they were called over simplex freq so the Visiting Nurses Meals on Wheels (MOW) would know what routes had been picked up. Down in the parking lot which is still where the main building is today we had a roll out 5X 8 caulk board where the route numbers would be written on so everyone could see and know what the route cooler / meals needed to loaded in the next car. They would then drive around to the front of the building which in those day you could drive all the way around the building and pick up either fruit or gift bag depending on whither it was Thanksgiving or Christmas.

Some where in the mid 2000's the kitchen fire damaged the building enough it had to be taken down. During the next 2 yrs it took to do that and rebuild to the present , we had to operate on various lots like the building just to the east across from the present location. As hams we had to adapter and get the lay out so traffic flow was safe and could flow with out a lot of issues. We had to wait for the cold and hot meals to be delivered for a kitchen in Irving during this time frame but everything seemed to work out. A month before the new present building was to open they had a fire again in the kitchen which delayed our Thanksgiving and Christmas event from operation on the present lot for another yr. Again we adapted and got the event handled. We soon found the present lot was too small to handle the ever growing meals that were needing to be delivered so we shifted to a couple more lots. This year we are back at the Jacob build lot which is located just behind the present MOW building and kitchen. This lot allows us to flow traffic fairly well while managing the traffic flow and getting the volunteer families who pick up the meal routes and deliver them to the seniors in need.

This event could not happen with out the volunteers that help every yr. Just like the volunteer families that come every yr for Thanksgiving and Christmas I have a lot of the same great club members returning each yr to help in this event. Some of our long time members like Kip AE5IB, Tom K5LOL, Tony W5ADC, Johnnie KG5CQO, Jay WB5K, Katherine KT5MF, Rob K5WFR, David KG5NAN, Richard KG5HCJ, David KF5PFC and a new member Brian KF5VFM all helped this yr.

This event, like a lot of our other club events, help a group that with out the Ham Radio group their event could not function with our help. It is part of our agreement as our radio operators to provide public service plus the fun we have working with each other.

I want to personally thank All of the members who have showed up year after year thru rain and snow and good weather to support this event. I am Thankful for your help and each year I get a BIG THANK YOU from the President of the Visiting Nurses that they could not make this event work with out our help.

December 2019



Again thank you and I hope to see you all during our many events we have coming up, especially **December 25 for the next Meals On Wheels.**

We start around 8 am and usually are finished around 10:30 to 10:45 am.

You will need an HT on simplex low power a safety vest and comfortable shoes and a smile. Our job is traffic flow and safety at this event as usual.

You will need to be on site around 7:30. Parking will be a little bit in the Visiting Nurses back lot away from the loading dock (south side) and a few spots along the exit route leaving the Jacobs building on the North side.

1440 Mockingbird Lane
Dallas, 75247
Corner of Elmbrook and Mockingbird lane

If you can help or have questions please contact me
Dave W7DAV

December 2019

December meeting and Christmas Party location changed

Please plan to attend this year's **December meeting and Christmas Party** which will be held on the third Monday, the 16th, at the [Golden Corral, 3425 Premier Drive](#) in Plano at **5:30pm**. The Corral is on the opposite side of 75, slightly north of Furrs, where our past Christmas meetings have been held, and is basically across the highway from COSTCO, in the area behind the Red Lobster which is on the southbound service road. Premier Drive runs north and south parallel to the service road and can be accessed from the service road or from Parker or Spring Creek. It is hoped that our members will turn out in large numbers to check out the new site, share the evening and enjoy the great food and fun. As in the past, members will accommodate their own entry fee including senior discount if applicable. The meeting area is to the left of the registers at the east end of the restaurant. All are urged to attend, starting at 5:30 at which time member sign-ins will commence to include any dues payments wishing to be made and of course the all-important raffle ticket purchases. The only main differences this year are the location and the difference in food presentation and selections offered, all of which is sure to win your approval.

One very important item to remember is too **PLEASE take care of the Corral staff** who are assigned to be working our area. This is our inaugural visit with Golden Corral and if all goes as well as expected, we would like to be allowed back again next year without paying any upfront fees generally required to cover the efforts of staff who are assigned to groups like ours. In lieu of the fee, I assured Golden Corral that our members would take care of their table staff, so **PLEASE remember to be as accordingly generous as possible with your individual gratuities.**

Looking forward to greeting and seeing everyone there on the 16th.

December 2019

The November meeting presentation was by Michael Wideman, KG5MCC, on how to **build your own Buddipole antenna**. The PowerPoint slide deck from Mike Wideman's (KG5MCC) presentation and instructions on building your own Buddipole antenna have been uploaded to [PARK's FaceBook](#) page, our Groups.io site, and [K5PRK](#) webpage.

This would be great for the **Winter Field Day on January 25, 2020**.



December 2019

I recently saw on the Internet that Home Depot is selling a device to **weatherproof extension cord connections** incident with outdoor Christmas lights and decorations, and that this device might have a Ham Radio application in weatherproofing coax cable connections. Such as when two lengths of coax cable are connected with a SO-239 barrel. See Figure 1.

I bought one (\$4.97 + tax) and here are my findings. This device is a hard-plastic clam shell that provides a sturdy enclosure. It is approximately 6 ½ long and 2 ½ inches in diameter. There are snap latches to provide secure closure. Each half of the clam shell has a soft rubber gasket for weather proofing. The cable entrance on each end has multiple rubber baffles to enhance the weatherproofing around the cable.

Figure 2 also shows a typical coax connection sitting in the open clam shell. RG-58 and RG-8 were used in this example to illustrate how both sizes of cable will fit in this device. Even though RG-58 is a bit smaller than the typical outdoor extension cord, I think this device will still provide the desired weatherproofing.

Figure 3 shows how, once the device is closed and latched, the coax exits the device.

While not sold as being watertight, I think this device can provide a quick and efficient method of weatherproofing coax cable connections for Field Day, Special Event Stations, Parks on the Air, and other temporary installations.

Being a seasonal item, these won't be in the store for long.

73,

Tim Johnson

K5TCJ



December 2019

Don't forget about Saturday morning

Late Riser's Breakfast – 6:30 am at
Poor Richards Café – Plano, Texas

No Name Riser Breakfast – 9:00 am at
Two Rows – Allen, Texas

Support those that support K5PRK

Main Trading Co.

<http://www.maintradingcompany.com/>
2246 Bonham St., Paris TX., 75460

Poor Richard's Café

<http://www.poorrichardscafe.com/>
2442 K Avenue Plano, TX., 75074

Cavanaugh Flight Museum

<http://www.cavanaughflightmuseum.com/>
4572 Claire Chennault, Addison TX., 75001

Bavarian Grill

<http://www.bavariangrill.com/>
221 West Parker Rd., Plano TX., 75023

Bullet Trap. INC.

<http://www.bullettrapinc.com/>
2608 K Avenue, Plano TX., 75074

Country Burger

<http://www.countryburgertx.com/>
3115 W. Parker Rd. #500, Plano TX., 75023

Plano Super Bowl

<http://www.planosuperbowl.com/>
2521 K Avenue, Plano TX., 75074

Two Rows Classic Grill

<http://www.tworows.com/>
711 Central Expressway,
Allen TX., 75013

Greek Isles Grille and Tavern

<http://greekislesgrille.com/>
3309 N. Central Expressway #370, Plano TX.,
75023

Chartered Financial Strategies LLC (Sean Monohan)

Tax Services – Business and Individual
<http://www.cfscorp.net/>
4686 McDermott Rd. #206, Plano TX., 75024

December 2019

MckinneyAmateurRadioClub 2M FM Simplex Contest

Welcome to the Winter MARC 2M FM contest. The contest helps us all be prepared in a number of ways, get to know one another, allow for friendly competition and try out our emergency preparedness skills. Since this contest is limited to the 2 M FM band it does not require any fancy equipment and all can participate. The contest is just a short to time frame.

This is a great time for all local area hams to participate and join in the activity!

When: January 26, 2020 19:00 UTC to 22:00 UTC

Objectives: To make as many contacts as possible, encouraging the use of 2M simplex mode, and have fun!

The Hunter vs Hunted: Consider operating from a remote location, high point, or perhaps a roving mobile; Mobile stations are able to re-work stations from a different location.

Frequencies: The contest will take place solely on 2 meters bands using simplex mode; (e.g. no repeater contacts). According to the ARRL band plan, these frequencies **(between 146.40-146.58 & 147.42-147.57)** are for simplex use. For this contest we will use only these frequencies with a convenient 20 kHz separation.

146.4xx: 146.420, 146.440, 146.460, 146.480

146.5xx: 146.500, **not .520**, 146.540, 146.560

147.4xx: 147.420, 147.240, 147.460, 147.480

147.5xx: 147.500, 147.520, 147.540, 147.560

Exchange: Call sign, contact number, city or unincorporated county (UC). Rover stations should use the city or UC of their location at the time.

Example of Stationary Exchange:

“W5KZJ from K5CRX, please copy my #3 from Allen”

“K5CRX from W5KZJ, please copy my #4 from Wylie”

Example of Mobile/Rover Exchange:

“K5CRX from K5AMZ/M, please copy my #2 from Weston”

“K5AMZ/M from K5CRX, please copy my #4 from Allen”

You might want to consider verifying your time. Contact exchange must be within 15 minutes.

Contacts: Work as many different calls and locations as possible, giving the exchange as noted above. Work each station once per city or UC – i.e. Mobiles can be reworked whenever they change locations.

Scoring: Use the handy log and scoring sheet. Each Contact is worth 1 point

Multipliers: Number of unique cities or UC

MckinneyAmateurRadioClub 2M FM Simplex Contest

December 2019

Power: Stations running ≤ 10 watts output: 3X score, $11 \leq 50$ output:

2X score, > 50 watts output: 1X score

Final Score: Total Points = # QSO's X location mult. X Power mult.

Logging: Contest sheets can be downloaded from the MARC web site.

www.McKinneyarc.org.

Log Submission: Send completed electronic logs to: w5kzjham@gmail.com with

Subject of MARC 2M

Or send paper logs to:

MARC 2 Meter Simplex Contest

P. O. Box 276

McKinney, TX 75070-8135

Log Entry Submission Deadline: February 9, 2020

Denton County Cities:

Argyle	Denton	Highland Village	Pilot Point
Aubrey	DISH	Justin	Plano †
Bartonville	Double Oak	Krugerville	Ponder
Bolivar	Elizabethtown	Krum	Prosper †
Carrollton †	Flower Mound	Lake Dallas	Roanoke
Coppell †	Fort Worth †	Lakewood Village	Sanger
Copper Canyon	Frisco †	Lewisville	Shady Shores
Corinth	Hackberry	Lincoln Park	Southlake †
Corral City	Haslet †	Little Elm	The Colony
Cross Roads	Hebron	Northlake	Trophy Club
Dallas †	Hickory Creek	Oak Point	Westlake †

† only a small part of the city extends into Denton County

MckinneyAmateurRadioClub 2M FM Simplex Contest

December 2019

Collin County Cities:

Allen	Farmersville	Melissa	Richardson†
Anna	Frisco†	Murphy	Royse City†
Blue Ridge	Garland†	Nevada	Sachse†
Carrollton†	Josephine†	New Hope	St. Paul
Celina†	Lavon	Parker	Van Alstyne†
Copeville Unincorporated	Lowry Crossing	Plano†	Westminster Unincorporated
Dallas††	Lucas	Princeton	Weston
Fairview	McKinney	Prosper†	Wylie††

† *City extends into one adjacent county.*

†† *City extends into two or more adjacent counties.*

Rockwall County Cities:

Dallas †	McLendon-Chisholm	Rowlett**
Fate	Mobile City	Royse City***
Heath*	Rockwall	Wylie****

† Dallas is a city primarily in Dallas County but a portion extends into Rockwall County due to the city's ownership of Lake Ray Hubbard.

*Heath is mainly a city of Rockwall County but a small portion extends into northern Kaufman County.

** Rowlett is mainly a city of Dallas County but a portion of it extends into Rockwall County.

*** Royse City is mainly a city of Rockwall County but a portion of it extends into Collin County and Hunt County.

**** Wylie is mainly a city of Collin County but a small part extends into Rockwall County and Dallas County.

December 2019

Local and Some HF Area Nets

MARC Nets

Sunday 8:00 PM – General Information Net – we ask participants about their week in ham radio and their thoughts on a question of interest to the ham community. W5MRC

Repeater, (146,740 MHz, offset -0.600 MHz, tone 110.9)

Monday 8:30 PM – Simplex net – see how far your VHF radio can go without a repeater
Along with general discussion. 146.520 MHz Since this is simplex, no offset or tone are Required.

1st and 3rd Mondays 8:00 PM - The MARC Ladies Net – All radio amateurs are welcome.

W5MRC repeater (146.740 MHz, offset -0.600 MHz, tone 110.9)

Collin County ARES Nets

Collin County Amateur Radio Emergency Service conducts two training nets each month. You do not need to be an ARES member to participate, all radio amateurs are welcome.

1st Sunday 9:00 PM - Collin County ARES -

K5PRK repeater, 1(47.180 MHz, offset +0.600 MHz, tone 107.2 Hz)

3rd Sunday 9:00 PM – Collin County ARES -

W5MRC repeater, (146.740 MHz, offset -0.600 MHz, tone 110.9 Hz)

SARA Nets

Wednesdays 8:00 PM – Ham Radio in Sachse –

Weekly “On-The-Air” Information Net called “Ham Radio in Sachse”.

N5LOC Repeater (145.25MHz, PL Tone 141.3Hz, Offset -0.600 MHz)

2nd and 4th Sundays 9:00 PM - Sachse Public Service Net –

ARES, RACES & Other Public Service Emergency Responders (like local CERT groups) Training.

N5LOC Repeater (145.250 PL Tone 141.3 Offset -0.60MHz)

2nd & 4th Tuesday at 7:30 pm

Simplex Net

146.40

GARC Nets

Thursday 8:00 PM – Info net – The Garland Amateur Radio Club holds an informal net open to all amateur radio operators. The net begins with check in and general announcements, followed by general discussion.

K5QHD Repeater (146.66 MHz, PL Tone 110.9 Hz, Offset -0.600 MHz)

December 2019

North Texas Hospital Net

North Texas Hospital radio club weekly nets check in with area hospitals. Friday mornings (time TBD 8:30 am or 9 am). Jimmy Dominguez is NCS. 442.400/146.700. Regular splits PL tones 110.9/110.9. All are welcome to check in from your QTH as individual.

Attention; The North Central Texas Healthcare ARC net begins at 0830 Friday and moves to 146.700, the past Fridays the 146.700 repeater has been down, with uncertainty when the 146.700 repeater will be back online, the North Texas Central Healthcare ARC will only have the 442.400 portion of the net.

HF Nets

Daily Net 11:00 AM – 9:00 PM – The Maritime Mobile Service Network – Any licensed ham (General Class or higher) can check in. This net is focused on assisting those who are maritime mobile and over the years, several distress calls have been handled by this net. 14.300

Sunday 2:00 PM – Amateur Radio Satellite Net - Open net for licensed amateur satellite discussion and updates 14.282

Daily Net – OMISS – Focused on awards, particularly Worked All State (1:30 PM frequency 14.290) (8:00 PM frequency 7.185)

Many more nets are listed here <http://ac6v.com.htm>

Overland Bound

Weekly Net Every Friday night at 7:30 PM Central Time – A net for people who like to explore and take part in overland camping – hosted on the USA Grits-N-Gravy Conference Server (USA-GNG) Echolink Node: 591550 <http://www.usagritsngravy.net>

If you want to list your favorite net, please send info to newsletter@k5prk.net

December 2019

What is Amateur Radio (Ham Radio?) from ARRL

(Thanks Johnnie Young)

Amateur radio is a multifaceted hobby that includes people around the world. There are about 740,000 ham radio operators in the US. The FCC has allocated [30 different frequency bands](#) from 135 KHz to greater than 275 GHz to amateur radio operators. These frequency bands are used for many different aspects of the hobby.

Some videos describing Amateur Radio:

<https://youtu.be/ysOq6ywTSzU>

<https://youtu.be/rs0i0h4OyMo>

https://youtu.be/5Z9136_Nhh4 - Classic Walter Cronkite video

Licensing:

There are [3 levels of ham radio licensing](#) in the US, Technician, General and Extra. Each level requires passing a multiple choice exam. The questions used for these exams are all [published on the web](#).

Study Aids:

Students can study for their license exam(s) in several different ways.

- Take a class
- Study training books. These are two of the most popular
 - [ARRL Technician Study Guide](#)
 - [Gordon West 2018 to 2022 Technician Class](#)
- View video classes
 - https://youtu.be/RGluTpM7_K8
 - https://www.youtube.com/watch?v=N6aFXH_SQUo&list=PL07A7D1C9D7BF7F48
- Take practice Exams
 - <https://www.eham.net/exams>

Taking the Exam:

Exams are offered by many clubs [around the metroplex](#). The Sachse club gives exams 9:00 [each 2nd Saturday at the Wylie Masonic Lodge](#).

Other Ham Radio Related Links:

Sachse Radio Club: <http://www.sachseradio.org/>

Largest/Oldest Ham Radio Org: <http://www.arrl.org/home>

Local Ham Radio Outlet Store <https://www.hamradio.com/locations.cfm?storeid=20>

Finding a nearby Club: <http://www.arrl.org/find-a-club>

Ham Radio Mesh Network: <https://www.arednmesh.org/aredn-advantage>

Amateur Radio Satellites: <https://www.amsat.org/>

Ham Radio Repeaters: <https://www.repeaterbook.com/>

Other videos:

HAM Radios: Quick and Easy Way to Get Into HAM Radio Hobby: <https://youtu.be/t0sMDRLGB3Q>

HAM Radio Basics- HAM 101: <https://youtu.be/Ow1hxClR5J8>

Numerous Dave Casler Videos: <https://www.youtube.com/channel/UCaBtYooQdmNzq63eID8RaLQ>

SPACE STATION CREW USES HAM RADIO TO CALL EARTH <https://youtu.be/H73EYCYSZF8>

Listen to episodes of ARRL Audio News on your iOS or Android podcast app, or online at <https://blubrry.com/arrlaudionews/>

December 2019

Various Ham Radio Activities:

- Local/Regional communications
- World wide communications using Digital network linked repeaters
- World wide radio to radio communications
- [Contests](#) - Making as many contacts as possible
- Fox hunts - Finding a hidden transmitter
- Amateur Radio Satellite
- Supporting local events
 - Races (marathons, bike races, etc.)
 - Plano balloon festival
 - Parades
 - 4th of July events
- Extending RC aircraft video and telemetry
- Amateur Radio Emergency Data network (Network when the grid goes down.)
- Winlink - Email via ham radio
- Skywarn - Storm spotters (Most storm spotters report via ham radio.)
- Amateur Radio Emergency Services (ARES)
- Radio Amateur Civil Emergency Services (RACES)
- Antenna design/building
- CW (Morse code) communications
- DXpeditions - Location in an remote area (usually islands) for a short period of time and making as many contacts as possible.
- Summit On the Air - Transmitting from mountain summits
- JOTA - Jamboree-on-the-Air - Boy Scouts
- RF experimentation. Many [Maker groups](#)
- [High altitude balloon experiment](#).

<http://www.arrl.org/contest-calendar>

December 2019

December 2019

<http://www.arrl.org/contest-calendar>

Check for updates and a downloadable PDF version online at www.arrl.org/contests.

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

Start - Finish Date-Time Date-Time				Bands	Contest Name	Mode	Exchange	Sponsor's Website
3	0200	3	0400	3.5-28	ARS Spartan Sprint	CW	RST + SPC + Power	arsqrp.blogspot.com
5	0000	5	0300	1.8	QRP ARCI Topband Sprint	CW	ARCI: RST + SPC + ARCI No.; non-ARCI: RST + SPC + power	qrparci.org/contests
5	1800	5	2200	28	NRAU 10-Meter Activity Contest	CW Ph Dig	RS(T) + 6-char grid square	www.nrau.net
5	2000	5	2200	1.8-50	SKCC Sprint Europe	CW	RST, SPC, name, mbr or power	www.skccgroup.com
6	2200	8	1600	1.8	ARRL 160-Meter Contest	CW	W/VE: RST, ARRL/RAC Section; DX: RST	www.arrl.org/160-meter
7	0500	8	1000	3.5-28	UFT Contest	CW	RST, mbr or "NM"	www.uft.net
7	0600	7	0800	7, 14	Wake-Up! QRP Sprint	CW	RST, serial, suffix of previous QSO	qrp.ru/contest/wakeup/333-wakeup-eng
7	1200	8	2359	1.8-50	SKCC Weekend Sprintathon	CW	RST, SPC, name, mbr or "none"	www.skccgroup.com
7	1600	8	1559	3.5-28	International Naval Contest	CW Ph	RS(T), mbr or serial	www.mars.org.uk
7	1600	8	1559	3.5-28	PRO CW Contest	CW	RST, serial, "M" if member	proclub.ro/TAC%20Rules.html
7	1800	8	2359	3.5-28	FT8 Roundup	Dig	RST, state or province/ter- ritory or serial (if DX)	www.rttycontesting.com
7	2000	8	1959	3.5-28	EPC Ukraine DX Contest	Dig	RSQ, Ukraine Admin Region or serial	epc-ukraine.ucoz.com
8	2000	8	2300	1.8-28	QRP ARCI Holiday Spirits Homebrew Sprint	CW	RST, SPC, mbr or power	qrparci.org/contests
9	0100	9	0300	1.8-28	4 States QRP Group Second Sunday Sprint	CW Ph	RS(T), SPC, mbr or power	www.4sqrp.com
11	0130	11	0330	3.5-14	NAQCC CW Sprint	CW	RST, SPC, mbr or power	naqcc.info
14	0000	15	2359	28	ARRL 10-Meter Contest	CW Ph	W/VE: RST + State/Province; XE: RST + State; DX: RST + serial	www.arrl.org/10-meter
14	0000	16	2359	1.8-7	PODXS 070 Club Triple Play Low Band Sprint	Dig	RST, SPC	www.podxs070.com
14	0600	15	1800	3.5-28	TRC Digi Contest	Dig	RST, serial, "TRC" if member	www.trcdx.org/trcdxc
15	2100	15	2259	14	CQC Great Colorado Snowshoe Run	CW	RST, SPC	www.coloradoqrpclub.org
16	0200	16	0400	1.8-28	Run for the Bacon QRP Contest	CW	RST, SPC, mbr or power	qrpcontest.com/pigrun
18	0130	18	0330	3.5-14	NAQCC CW Sprint	CW	RST, SPC, mbr or power	naqcc.info
20	1600	20	1700	3.5, 7	AGB-Party Contest	CW Ph Dig	RST, serial, mbr (if member)	www.ev5agb.com
20	2000	20	2359	1.8	Russian 160-Meter Contest	CW Ph	RS(T), Oblast code or serial	www.qrz.ru/contest
21	0000	21	2359	1.8-50	Feld Hell Sprint	Dig	RST, mbr, SPC, grid	sites.google.com/site/feldhellclub
21	0000	21	2359	3.5-28	OK DX RTTY Contest	Dig	RST, CQ zone	okrtyy.crk.cz
21	1200	22	1159	3.5-28	Padang DX Contest	Ph	RS, serial	padangdx.com
21	1200	22	1159	3.5-28	Gedebage CW Contest	CW	RST, serial	olkb.or.id
21	1400	22	1400	1.8-28	Croatian CW Contest	CW	RST, serial	9acw.org
22	1800	22	2359	3.5-28	ARRL Rookie Roundup, CW	CW	Name, 2-digit year first licensed, state/province/XE area/DX	www.arrl.org/rookie-roundup
25	0000	25	0200	1.8-28	SKCC Sprint	CW	RST, SPC, name, mbr or power	www.skccgroup.com
26	0830	26	1059	3.5, 7	DARC Christmas Contest	CW Ph	RS(T), DOK or serial	darc.de/der-club/referate/conteste/ weihnachtswettbewerb/en
28	0000	28	2359	1.8-144	RAC Winter Contest	CW Ph	RS(T), province/territory or serial	wp.rac.ca
28	1500	29	1500	1.8	Stew Perry Topband Challenge	CW	4-char grid square	www.kkn.net/stew
28	1500	29	1500	3.5-14	Original QRP Contest	CW	RST, serial, power category	qrpc.de/contestrules
29	0000	29	1159	3.5-28	RAEM Contest	CW	Serial, latitude, longitude	raem.srr.ru/en/main
30	1300	31	0400	1.8-28	QCX Challenge	CW	RST, name, SPC, rig	qrp-labs.com/party.html
31	0900	31	2359	3.5, 7	Bogor Old and New Contest	Ph	RS, operator age	www.orari-bogor.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 WA7BNM Contest Calendar at 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, WA7BNM, in providing this service.*