



ZERO BEAT

Southeastern Massachusetts
Amateur Radio Association, Inc.
54 Donald Street
South Dartmouth, MA 02748



Since 1932

Volume 50 Issue 9

SEMARA-W1AEC

September 2014

Digital Modes & Repeaters

By Rick-W1RJC

The way information travels over the airwaves for two-way radio has certainly changed in the last few decades. From the legacy analog modes based on AM and FM, new digital modes have emerged.

For North America, one of the first widely adopted protocols that gained traction in the 1990s was Project 25 (P25 for short). This digital mode is currently used by public safety and by hams on VHF and UHF. As you may know, the Dartmouth and New Bedford Police Departments have opted to use P25 for their primary communications.

In the late 1990s, the Japan Amateur Radio League developed Digital Smart Technologies for Amateur Radio (D-STAR for short). This protocol was developed specifically for amateur radio, thus it makes contacting another ham on the D-STAR network as simple as inputting their call sign into a user's radio and keying up.

As of 2014, the only manufacturer to offer D-STAR compatible radios is Icom. It is possible, however, to modify certain FM based trans-

Rick volunteered to write this article to replace a 3-page article explaining the issues of the MOTOTRBO repeater, which was voted down at the last business meeting, rendering it moot. ~Editor

mitters and receivers using a GMSK adapter to allow it to run D-STAR.

Other than P25 and D-STAR, several other digital modes have been developed and are currently in use. This includes DMR (called MOTOTRBO by Motorola) and NXDN (called IDAS by Icom and NEXEDGE by Kenwood). In New England, repeaters exist using all four protocols, in addition to a new mode developed by Yaesu called System Fusion using a combination of analog FM and C4FM digital modulation.

In 2014, Yaesu offered a test program where Yaesu DR-1 System Fusion repeaters were offered on consignment to ham radio clubs. SEMARA had filed to participate in this program in the early summer; however, inventory was depleted and we missed out on the trial for our 147.000 repeater.

SEMARA had two other opportunities to get into the world of digital. Last year, the club was offered a Motorola QUANTAR dual-mode analog/digital P25 repeater to replace its current analog-only 927.8375 repeater. The membership ultimately voted not to purchase the repeater.

More recently at the August business meeting, **Jim-AE1C** gave a Tech Talk on DMR (MOTOTRBO). Through the New England Digital Emergency Communications Network (NEDECN), Jim offered to

donate a brand new 2m Motorola MOTOTRBO repeater to the club. The membership also voted not to proceed with the project at this past September business meeting.

With the latest proposal by Jim, the SEMARA Repeater Committee had the opportunity to meet and discuss the various options and configurations before the final vote. The committee did recommend going with either DMR or NXDN based on current repeaters on the air in the surrounding area.

If using 2m, which is necessary since 440 MHz is out due to PAVE PAWS radar on the Cape, the committee recommended two possible configurations. Either (1) convert our current 147.000 repeater to a dual-mode analog/digital system with priority to analog, or (2) add an additional antenna 50 feet below the top of the tower to support an additional digital-only system.

With the second option, the top antenna would be for receive and the lower antenna would be for transmit. Both repeaters would share in that configuration with the use of cavities on the transmit antenna.

One major issue with the second option is that there are currently no repeater pairs available from the coordinating body, NESMC.

As the years go by, it is believed

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EDITOR: Bob Kelley—K1KVV
 E-mail: [editor \[at\] semara \[dot\] org](mailto:editor[at]semara[dot]org)
 SEMARA: <http://semara.org>
 E-mail: [w1aec \[at\] semara \[dot\] org](mailto:w1aec[at]semara[dot]org)

2013 SEMARA OFFICERS

President
 Marcel Dumont—W1MLD
 Vice President
 Joe Krisnowsky—N1IXC
 Secretary
 Marc Dumont—KB1ODE
 Treasurer
 Mike McDonald—KB1NB

Directors:

Dave Dean—K1JGV
 Jean Pierre Chiron,—AG1Y
 Martin G. Jordan—KA1YFV

Trustees: (year term is up)

Louis Mester—W1CH (2014) (ch)
 Joe Krisnowsky—N1IXC (2015)
 Dick Halliwell—K1AHA (2016)
 Brad Paiva—W1BEP (2017)
 Martin G. Jordan—KA1YFV (2018)

STANDING COMMITTEES

Building and Grounds
 Marty Jordan—KA1YFV
 Anthony Lessa—KB1UAM

Scholarship

Sonny Eddleston—K1USW – chair
 Chuck Moszczanski—KB1FRL
 Alan Dulong—WB1FQP
 Joe Krisnowsky—N1IXC

Technical-Repeater-Web
 VACANT –Technical (chair):
 Rick Cabral—W1RJC: Repeater
 Rick Cabral—W1RJC: Web

SPECIAL COMMITTEES

Activities
 VACANT
 ARES/SKYWARN/RACES(ACS)
 Ed Caron—KA1RSY
 QSL Manager
 John Nery—WA1ESO
 Radio Events
 Bob Kelley—K1KVV
 Tech Talk
 Richard Orluk—K1XRN

It seems to me... de Bob - K1KVV, Editor

that September is a transition month. It starts with Labor Day, "the end of summer," and ends with the hint of cooler and more colorful days to come.

It is a great month for doing outdoor things – like cook outs and portable radio operations. Won't you join me in becoming "radio active?"

Let's fire up ye ol' *Whiskey One Atomic Energy Commision* one more time. We are making progress towards the new radio shack. The building is paid for, the foundation is designed, the permits obtained, the contractors lined up.

Come the business meeting to learn the latest. What a grand way to start the fall season!

Reminder: The *CF Cycle for Life* bicycle tour is being held at *Carolyn's Sakonnet Vineyards*, in *Little Compton, RI* on **September 27, 2014**.

Volunteers are welcome – Radio operators and other volunteer types are needed. Spouses are certainly welcome to volunteer as well.

Contact **John-WA1ESO** – [waleso \[at\] juno \[dot\] com](mailto:waleso[at]juno[dot]com) – 401-624-4576

Reminder: the Editor of *Zero Beat* has resigned. His resignation is effective with the publication of the *December 2014* issue of *Zero Beat - Volume 50, Issue 12*, his 135th issue since he took over from **Bill Miller-K1IBR** in **September 2003**.

He will work with the *New Editor* for a smooth transition, whenever his replacement is nominated. The transition period should begin ASAP to work out details, such as:

- ◆ Create the newsletter (currently 8 letter-size sheets)
- ◆ Create the PDF version
- ◆ Upload PDF file to semara.org/files/stories
- ◆ Create PNG cover graphic (250x195 px)
- ◆ Upload PNG file to semara.org/files/zerobeat
- ◆ Create HTML homepage story on semara.org
- ◆ Create HTML content on semara.org/zerobeat
- ◆ Update *Archives* list on semara.org/zerobeat
- ◆ Announce posting on *Facebook* and *SEMARA Discussion*

I may have left out a step or two, so get in touch and we can do it for real to catch the omissions. ~ *Editor*

POINTS TO PONDER

1. "Professionalism is knowing how to do it, when to do it, and doing it."
2. "Questions provide the key to unlocking our unlimited potential."
3. "Nothing great was ever achieved without enthusiasm."
4. "Apply your imagination to any problem that arises."

~*Fortune Cookies* (collected by the Friday Lunch Bunch)

Official Meeting Minutes



August 7, 2014

The meeting was called to order at 7:05 PM by the President, **Marcel (W1MLD)** with salute to the flag. The roll was called with 23 members and 1 guest present.

A moment of silence was held for **Byron Piette-K1YCQ (SK)**

SECRETARY'S REPORT

A motion was made, seconded and unanimously voted to accept the report as posted on the bulletin board and on *Zero Beat*.

TREASURER'S REPORT

The Treasurer, **Mike (KB1NB)** reported income of \$24.50 with expenses of \$2243.00 including \$1766.00 for property tax, \$330.00 for accountant, balance for utilities and misc. expenses. Net worth currently is \$71,805.38. NETCOM balance is currently \$18,486.00. A motion was made, seconded and unanimously voted to refer the report to audit.

STANDING COMMITTEES

Buildings and Grounds

Topics discussed were reminder to turn off lights, moving furniture and trash disposal. A motion was made, seconded and unanimously approved to purchase a package of large and a package of small trash bags. It was also mentioned that the shed door was left open a few days ago.

SPECIAL COMMITTEES

Renovations

The *President, Marcel* reported that the plans were complete and the contractor has them as required to obtain a building permit, which should be obtained in the next week or so. A local contractor has offered to dig the foundation at no charge. The foundation contractor has submitted a price of \$4,000.00.

The topic of security systems was discussed. **Carl Sajweco (WA1PQT)** has offered to install a complete security system for the buildings, including monitoring, at no charge. A motion was made, seconded and unanimously approved to have *Carl Sajweco* furnish, install and monitor a security system for the buildings at no charge.

FOR THE GOOD OF THE CLUB

Bob (K1KVV) spoke briefly about radio contesting.

A motion was made, seconded and unanimously approved to spend \$4000.00 on construction of the foundation for the new building.

A suggestion was made and agreed to send a condolence card to the family of **Byron Piette-K1YCQ (SK)**.

Jim (AE1C) gave a tech talk regarding *MOTO-TRBO* radio systems. After the talk, a motion was made and seconded to accept the offer of a no cost *MOTO-TRBO* repeater to be located at SEMARA. The motion was approved. The repeater will be donated by "MARC," the *Motorola Amateur Radio Club*, which has several repeaters throughout New England.

ADJOURN

A motion was made and seconded to adjourn. The motion passed.

Respectfully Submitted,

Marc M. Dumont (KB1ODE), Secretary



Thoughts from a grumpy old man

My hat is off to **Marty-KA1YVF** and **Ray-KB1EVX**, who do 97% of the maintenance work at the club. Problem is, they cannot do it all, so let's try to help with small things now and then.

There was a time when I thought I could do it all. My last hurrah was when they were looking for a *young lad* to do the pipe wrap and found me! Calling me a young lad was probably stretching it.

Years ago, the entire place was graded and capped with material called "dense-grade." Unfortunately, due to various reasons, most of it is gone – either into the woods or to who knows where.

It is way past time to put together a 'hands-on' committee. We need to keep up the place: Our front garden is a disgrace; we have metal and junk being stored about the grounds. One or two just cannot do it all!

(Continued on page 5)

Tidbits



SEMARA Repeaters

See <http://www.nerepeaters.com/se.htm>

Freq/Offset	FM	I/O Tones	IRLP/Echolink
147.000+	FM	67.0 67.0	4210/4210
224.800-	FM	67.0 88.5	4215/4215
927.8375-	NFM	67.0 67.0	4617/ -

Club Numbers

GPS Coordinates:

Lat. N 41° 36.795'
Long. W 070° 56.550'

— o —

Maidenhead Grid Coordinates: FN41mo

— o —

For FISTS Sprints: FISTS #10555

LOCAL REPEATER DIRECTORIES

See <http://www.nerepeaters.com/se.htm>

144 (<http://www.nerepeaters.com/2m.htm>)

222 (<http://www.nerepeaters.com/222.htm>)

440 (<http://www.nerepeaters.com/440.htm>)

902 (<http://www.nerepeaters.com/902.htm>)

CLUB ACTIVITIES

BUSINESS MEETING

First THURSDAY of the month @ 7 PM

Sunday RAGCHEW @ 7-10 AM

Thursday COFFEE CROWD

Dunkin Donuts - Dartmouth & Garfield
S. Dartmouth @ 1 PM

Friday LUNCH BUNCH

Leave for LUNCH @ **12 noon**
Gather @ clubhouse before 12 noon
If you are coming, call on the repeater or
phone the club: 508-997-7070,

NEXT VE SESSION @ SEMARA

October 4, 2014

Clubhouse @ 10:30 AM

Contact: **Fred Bacon-N1TF**
exams [at] semara [dot] org

508-748-0047

Successful candidates
may be eligible for a 'free'
SEMARA

Baofeng UV-5B HT.

Details:

- Pass SEMARA VE Exam
- Join ARRL
- Join SEMARA



Support HR-4969



Get Behind "The Amateur Radio Parity Act of 2014" H.R. 4969

Initial efforts to secure additional co-sponsors for "The Amateur Radio Parity Act of 2014" – H.R. 4969 – are starting to produce results. As of August 5, 17 co-sponsors had signed onto the bill, which was introduced in the US House of Representatives with bipartisan support in late June. Additional co-sponsors are anticipated.

H.R. 4969 would call on the FCC to apply the "reasonable accommodation" three-part test of the PRB-1 federal pre-emption policy to private land-use restrictions regarding antennas. The bill's primary sponsor is **Rep Adam Kinzinger** (R-IL). It received initial co-sponsorship from **Rep Joe Courtney** (D-CT), who attended the ARRL National Centennial Convention on July 19 to discuss the measure with visitors and League officials.

"With Congress on break for August, we are encouraging our members to meet with their representatives while [lawmakers] are home on break in their districts, and urge their support for H.R. 4969," said ARRL Regulatory Information Manager **Dan Henderson, N1ND**. "We're very pleased with the initial response, but the more noise we make, the better our chances." He emphasized that a successful outcome requires as many co-sponsors as possible, and that's where ARRL members come into play in their role as voters and constituents.

The League's H.R. 4969 page contains information and guidance for clubs and individuals promoting efforts to gain co-sponsors for the measure by contacting their members of Congress. The web page includes a sample letter to a member of Congress and a list of "talking points." For in-person visits, the League recommends organizing small teams of knowledgeable,

articulate radio amateurs to approach lawmakers one to one to plead their case.

The limited PRB-1 pre-emption currently applies only to state and municipal land-use ordinances. The FCC has indicated its reluctance to provide the same legal protections from private land-use agreements – often called covenants, conditions, and restrictions or CC&Rs – without direction from Congress.

US Representative **Greg Walden, W7EQI** (R-OR) chairs the House subcommittee that will consider H.R. 4969. H.R. 4969 has been referred to the House Energy and Commerce Committee. Rep **Greg Walden, W7EQI** (R-OR), chairs that panel's Communications and Technology Subcommittee, which will consider the measure. The League had approached Walden, who helped to engineer the bill.

Henderson said that in response to the "Get Behind H.R. 4969" effort at the Centennial Convention and last month's edition of the Legislative Update Newsletter, more than 2000 individuals drafted letters to their congressional representatives, urging them to co-sponsor the bill. He asked League members to e-mail or mail letters directed to their US House of Representatives member to ARRL Headquarters for forwarding. E-mails will be printed beforehand, he noted. Henderson explained that this approach speeds delivery, since individual pieces of mail to members of Congress are scanned for threats. Henderson said he's already received another 200 or so letters to forward to House members.

Send letters to H.R. 4969 Letter Campaign, ARRL, 225 Main St, Newington, CT 06111. If e-mailing, include "H.R. 4969" in your subject line. All correspondence must be signed and include the constituent's mailing address.



(Continued from page 3, *grumpy OM*)

When the radio room is constructed, the contractor builds up the access areas. Participation from able-bodied members is essential to complete the job. Of course, many of us may no longer qualify, and that is understood. But don't we have enough muscle just to maintain the place? There are some things which involve light carpentry, I would be glad to help, but we do need a committed group just to 'keep up the place.'

Many would give big time to have what we have at SEMARA. I just feel that we should not take the new radio room module for granted. My muscles are weakening, but my voice is still strong and I intend to use it.

73, *the OM*



Carl Aveni-N1FY Traveling

Robert Macedo (KD1CY)

ARES SKYWARN Coordinator

Announcement! **Carl Aveni-N1FY**, Assistant SKYWARN Coordinator for NWS Taunton Massachusetts, retires. His wife is now retired and they are embarking on a year-long European journey. They have further plans beyond their Europe travels through 2015.

I'd like to take a few moments to highlight Carl's accomplishments to the SKYWARN program and to myself personally over his 18 years of voluntary service to SKYWARN.

N1FY-Carl Aveni's efforts over these 18 years has been extraordinary. The NWS Taunton SKYWARN program would not be where it is today without Carl's efforts. He is a tremendous person who has helped me not only in my 'professional volunteer career' but personally as well.

I have been truly blessed to have met all the people I've met through volunteerism in the Amateur Radio Emergency Services (ARES) and SKYWARN and Carl is one of the biggest blessings I could have ever had over all these years. Carl has been able to support me as my professional work commitments have increased. He volunteered to go to NWS when needed at just about all times day and night. Frankly, Carl has probably logged as much if not more time at the National Weather Service Taunton since his retirement in 2008 than I have. He also assisted at countless SKYWARN Training sessions both teaching and setting up sessions as well as many SKYWARN presentations at Amateur Radio Club meetings and other group meetings.

There are also countless other contributions Carl has made to

Amateur Radio and ARES including support of an Amateur Radio hospital network in Eastern Massachusetts, work with his local town EOC in Bridgewater and the FEMA-graded Nuclear Power Plant exercises and so much more.

We will all miss what Carl has done and for his countless contributions in the names of volunteerism, public and community service. That said, Carl has done his duty and it's time to wish him and his wife well on their journey through retirement together through Europe and wherever else their travels take them and I'm sure we will keep in touch with him.

We have known that Carl will be leaving us as early as the beginning of this year. To that end, we are recruiting additional Amateur Radio Operators to serve at NWS Taunton and to help us remotely from their Amateur Radio stations as well. Some of you may have already heard new and different voices at **WX1BOX**, the Amateur Radio Station at NWS Taunton over the past 6 weeks or so. We will likely be recruiting additional people within our ranks to provide support for our program. ***If you are interested, please feel free to contact me.***

The National Weather Service Taunton staff put together a farewell send off gathering for **N1FY-Carl Aveni** on Wednesday August 13, 2014 at NWS Taunton. Ironically, SKYWARN was active that day and providing support for a flash flood event across portions of Southern New England.

Representatives from the media (*Barry Burbank*, WBZ-TV Channel 4), the Massachusetts Emergency Management Agency (*Doug Forbes*), members of the **WX1BOX** Amateur Radio Team (**W1VFB-**

Greg Glynn, KB1MTW-Paul Moss, W1MPN-Mike Neilsen, Eastern Massachusetts ARES Section Emergency Coordinator, **KB1KQW-Jim Palmer**, Eastern Massachusetts ARES Assistant Section Emergency Coordinator and **KD1CY-Rob Macedo**) and much of the NWS Taunton and Northeast River Forecast Center staff were present for the send off. Pictures of the send off have been posted to our **WX1BOX** Facebook Page via the following link:

<https://www.facebook.com/media/set/?set=a.833417530025600.1073741847.216287391738620&type=3>

On behalf of NWS Taunton forecasters and the SKYWARN and Amateur Radio community, we wish Carl and his wife, farewell, safe and fun travels and all the best as they begin their retirement journey together. For those who wish to thank and contact Carl directly, you can email him at [caave \[at\] peoplepc \[dot\] com](mailto:caave[at]peoplepc[dot]com)



Southern NE Weather Conf.

Southern New England Weather Conference Saturday, October 25th, 2014 Meditech, Great Blue Hill, Canton, MA

Early Bird Registration is now open for this year's conference. Some topics that will be covered this year include:

- ⇒ Two frigid snowstorms that impacted Southern New England during the winter of 2013-14
- ⇒ The 60th anniversary of the Hurricanes Carol and Edna
- ⇒ The History and Mystery of the Old Farmer's Almanac

The tentative agenda for the Southern New England Weather Conference can be seen via the following link:

<http://www.snewweatherconf.org/2014Agenda.shtml>

Registration Fees:

Please note that registration will be stopped after 230 registrants!

FCC Plans \$34.9 M Fine

Well, that gets our attention.

What we are talking about, in case you are a bit behind in your FCC news, is the FCC's plan to issue the largest fine in its history to a Chinese electronics manufacturer for allegedly marketing 285 models of signal jammers to U.S. consumers for more than two years. This was announced in an FCC press release on June 19 and the fact that a proposed forfeiture merited its own press release seemed notable to us. It's pretty obvious that they take signal jamming seriously. The press release explains:

Signal jamming devices or "jammers" are radio frequency

Early Bird Registration (Today - Sept 12): \$89

Student/Teacher Early and Regular Registration (Aug 1 - Oct 21): \$89

Regular Registration (Sept 13 - Oct 21): \$99

Late Registration (Oct 22 - Oct 25 - at the conference site): \$109 (on-line registration will not be available after Oct 22.)

Student/Teacher Late Registration (Oct 25): \$99 (same rules as above)

To register by phone, contact the **Blue Hill Observatory** at **617-696-0562**. Complete registration information can be seen via the following link:

<http://www.snewweatherconf.org/confregform.cfm>

We hope to see many of you at the 2014 Southern New England Weather Conference!

Robert Macedo (KD1CY)

ARES SKYWARN Coordinator

transmitters that intentionally block, jam, or interfere with authorized communications, such as cellphone calls, GPS systems, Wi-Fi networks, and first responder communications. It is a violation of federal law to market, sell, import, or use a signal jammer in the United States and its territories, except in very limited circumstances involving federal law enforcement.

Use the FCC Enforcement Bureau online complaint portal or call 1-888-CALL-FCC (or 1-888-225-5322). The FCC enforcement action against C.T.S. is available at:

http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-14-92A1.pdf

Patrick Tice, WA0TDA

(Continued from page 1, DMR)

that digital modes will continue to become more popular. Whether digital completely replaces analog remains to be seen; however, with all of the various digital modes and protocols, it not hard to say that it makes things more convoluted and confusing.

Perhaps in the future as these modes mature further, the club will be able to move forward with a digital repeater upgrade or addition that will benefit both the membership and ham community on the South Coast.



Essay Time!

You are hereby challenged to submit a short essay to *Zero Beat*.

Suggested subjects:

- * What brought me into Amateur Radio.
- * What Amateur Radio means to me.
- * How did Amateur Radio influence my choosing a vocation?
- * Do you have any special memories of Amateur Radio?
- * My favorite Amateur Radio mode/activity

Sent your contributions to

[editor \[at\] semara \[dot\] org](mailto:editor@semara.org)



Nets, Radio Activity & Fests

LOCAL NETS

SEMARA Tu, W, F Evening Nets @ 8 PM

Everyone is welcome to check in ...

147.000+ (PL 67.0 Hz) (FM) – Massachusetts RACES Drill (Region 2, Sector A) held on the first Monday of the month, 7:30 PM.

50.200 MHz (FM) – held Wednesdays, 8 PM. Net control is Brad, **W1BEP** (E. Freetown).

28.490 MHz (USB) – held Tuesdays at 8 PM. Net control is Dick, **K1AHA** (N. Dartmouth).

28.490 MHz (USB)– held Fridays, 8 PM. Net control is Dave, **K1JGV** (N. Dartmouth).
Returns to **1875 kHz** (LSB) in the fall when QRN is more manageable

Coming FLEAS & FESTS

www.arrl.org/hamfests/search

6 Sept	Windsor ME	AARA Bill K1NIT 207 512 0312
7 Sept	Ballston Spa NY	SCRACES Darlene N2XQG 518 587 2385
14 Sept	Newtown CT	CARA Anthony KB1YNB 203 744 3070
20 Sept	Forestdale RI	RIAFMRS Pete AA1PL 401 639 4484
20 Sept	Alexander ME	StCVARC Roger W1LH 207 454 2174
21 Sept	Cambridge MA	FLEA at MIT Mitch 617 253 3776
27 Sept	Brookline NH	NEARC Bruce 603 772 7516

Some September Radio Activity

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

1.8-14	NS Weekly Sprint	CW www.ncccsprint.com Sep 5, 0230Z - Sep 5, 0300Z
3.580	070 Club KA3X Memorial Sprint	Dig www.podxs070.com Sep 6, 8 PM - Sep 7, 2 AM
1.8-28	CWops CW Open	CW www.cwops.org/cwopen.html Sep 6, 0000Z - See site
3.5-28	All-Asian DX Contest	SSB www.jar.org/English Sep 6, 0000Z - Sep 7, 2400Z
7	Straight Key Party	CW www.agcw.de Sep 6, 1300Z - Sep 6, 1600Z
3.5-28 50	Indiana Parks on the Air	SSB/CW/Dig inpota.com Sep 6, 1600Z - Sep 6, 2400Z
3.5-21 50	Ohio State Parks On the Air	SSB/CW parks.portcars.org Sep 6, 1600Z - Sep 6, 2359Z
3.5-14	North American Sprint	CW www.ncjweb.com Sep 7, 0000Z - Sep 7, 0359Z
1.8-28 50+	Tennessee QSO Party	SSB/CW/Dig www.tnqp.org Sep 7, 1800Z - Sep 8, 0300Z
3.5-28	Worked All Europe DX Contest	SSB waedc.de Sep 13, 0000Z - Sep 14, 2400Z
1.8-28	FOC QSO Party	CW www.g4foc.org Sep 13, 0000Z - Sep 13, 2359Z
1.8-28 50	Straight Key Weekend Sprintathon	CW www.skccgroup.com Sep 13, 1200Z - Sep 14, 2359Z
3.5-28 144	Arkansas QSO Party	SSB/CW/Dig www.arkqsoparty.com Sep 13, 1400Z - Sep 14, 0200Z
50+	ARRL September VHF Contest	SSB/CW/Dig www.arrl.org/contests Sep 13, 1800Z - Sep 15, 0259Z
3.5-14	North American Sprint	SSB www.ncjweb.com Sep 14, 0000Z - Sep 14, 0359Z
1.8-28	Run For the Bacon	CW www.fpqrp.org Sep 15, 0100Z - Sep 15, 0300Z
3.5-14	NAQCC Monthly QRP Sprint	CW naqcc.info Sep 18, 0030Z - Sep 18, 0230Z
10G+	ARRL 10 GHz Cumulative Contest	SSB/CW/Dig www.arrl.org/contests Sep 20, 6 AM - Sep 21, 12 mid
3.5-28	Scandinavian Activity Contest	CW www.sactest.net Sep 20, 1200Z - Sep 21, 1159Z
3.5-28 50+	South Carolina QSO Party	SSB/CW/Dig scqso.com Sep 20, 1400Z - Sep 21, 0300Z
3.5-28	BARTG Sprint 75	Dig www.bartg.org.uk Sep 21, 1700Z - Sep 21, 2100Z
144	144 MHz Fall VHF Sprint	SSB/CW/Dig www.svhfs.org Sep 22, 7 PM - Sep 22, 11 PM
1453.5-28	CQ WW RTTY Contest	Dig www.cqwrrtty.com Sep 27, 0000Z - Sep 28, 2359Z
1.8-28	Maine QSO Party	SSB/CW www.maineqsoparty.com Sep 27, 1200Z - Sep 28, 1200Z
1.8-28 50,144	Texas QSO Party	SSB/CW/Dig www.txqp.net Sep 27, 1400Z - See website
7-21	Peanut Power Sprint	SSB/CW www.nogaqrp.org Sep 28, 2000Z - Sep 28, 2200Z
222	222 MHz Fall VHF Sprint	SSB/CW/Dig www.svhfs.org Sep 30, 7 PM - Sep 30, 11 PM