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SEMARC
WØCGM

www.semarc.org

FIRESIDE CHAT

The Fireside Chat is held on the first and third Tuesday of the month. This month it is on Tuesday February 1st and Tuesday February 15th at 7:00 p.m. It will be a Webex virtual meeting at:

<https://richardlroberts.my.webex.com/meet/rlrobert>

The format is open and will be without an agenda or focus. It will be a great opportunity for both new and experienced hams to ask questions and share experiences. Please join us!

SEMARC BOARD MEETING

Our next meeting for the board is February 8th. We plan to have a virtual meeting. Joe Hibberd will send out an email to all members the day before with instructions on how to join in on the meeting.

REGULAR MEMBER MEETING

Our next regular member meeting is February 22nd. No program has been planned at this time.

[Cont. on page 2](#)

❄️ Winter Field Day 2022 ❄️

We hope all had a good time.

If you have any photos or comments, articles, etc. please send them to me rgholger@bitstream.net

Results will be posted when they become available (which was May last year).

Membership meetings are normally held in **Cottage Grove** at the **Zion Lutheran Church 8500 Hillside Trail South**

We meet on the LAST Tuesday of the month at 7:00 p.m. **Except December & January (and some months due to Covid in which case meetings will held on Webex).**

Due to the recurrence of COVID-19 in Minnesota, the board of directors decided to return to a virtual meeting for the membership meetings.

Log in to <https://richardlroberts.my.webex.com/meet/rlrobert> for the meeting.

Watch for updates and more information in the Sunday Bulletin email message.

New members, especially those who passed one of our VE exam sessions, are encouraged to attend so that we can meet you in person.

We hope to see you there.

(As is our tradition anyone with a birthday in the meeting month is asked to bring cookies or other snack to share.)

NOTICE:

146.985 repeater is out of service for repair and users should switch to the 147.18 South with 74.4 tone or 147.18 north with 100 tone **till further notice**. Our Wednesday will be held there.

Dick, NØUC

South East Metro Amateur Radio Club

Dick Roberts, NØUC

1655 - 68th Street West

Inver Grove Heights, MN 55077-2222

651-208-0889

MEMBER MEETING PROGRAM SURVEY

The Board is always looking for program ideas for the member meetings. What would you like to see for programs this year? Please send your ideas to Dick Roberts n0uc@comcast.net and he will bring your ideas to the Board meeting.

ARES REPORT

Just a reminder that our ARES repeater frequencies are 147.180, PL 74.4 in Newport, or PL 100 in Forest Lake.

INFORMAL CW ROUND-TABLE NET

Every Wednesday evening at 1900 hours on 28.110 MHz

WEDNESDAY NIGHT 2M NET

Our club holds a 2-meter net every Wednesday at 8:00 p.m. It is an informal, but controlled, net on the 146.985 repeater. We are in the need for several alternate Net Control Stations who can fill in when one of the scheduled NCS is not available.

If you are interested, please contact:

Dick Roberts at
n0uc@comcast.net

THE DIGITAL CORNER

Digital Net follows SEMARC net on Wed pm.

Go to www.w1hkj.com for software & help.

Fldigi v. 3.23.09 Flmsg v. 2.0.17
Flamp v. 2.1.03 Flwrap v. 1.3.4

Meet on 146.985 and QSY to 144.950.

Mode is BPSK125. Other modes possible.

Sign up with NØUC
n0uc@comcast.net for net bulletins & help.

Midwinter Madness - March 19, 2022

Buffalo Civic Center

[Located at 1306 County Rd 134, Buffalo MN 55313](http://www.k0lfc.org/midwinter-madness/)

<https://k0lfc.org/midwinter-madness/>

Membership Renewals Are Due

SEMARC membership runs by the calendar year. Dues are payable on January 1 each year.

As of 01/31/22, we have 31 members current for 2022.

We thank you for your prompt renewal.

If you see your call sign below ([on page 4](#)), your dues are paid.

Otherwise please consider sending payment in. 😊

Please print an application from http://www.semarc.org/files/Forms/Member_Appl_2022.pdf and send it to the club address on the form.

[Cont. on page 4](#)

December VE Session Report

We had one candidate. He came for his Tech and passed his tech test.

Thanks Everyone,
Dan Franz WDØGUP

Any questions call the club hot line at 651-769-0358 or email
wd0gup@hotmail.com.

VE News, we will be normalizing VE operations as it relates to COVID. For the time being I will still preregister candidates and VE's. That means no walk-ins but we also will not have head count restrictions. I also have incorporated a self-survey and ask anyone that answers yes to any of the questions to call me.

Thanks to all VE's that helped us get through this tough COVID time.

Thanks,
Dan Franz. WDØGUP

Planning Calendar

February 8 th (T) Board Meeting	March 8 th (T) Board Meeting
February 19 th (S) VE Session & B'fast	March 19 th (S) VE Session & B'fast
February 22 nd (T) (T) Club Meeting	March 22 nd (T) Club Meeting

SEMARC VE Sessions

VE exam sessions are held every 3rd Saturday. The next VE session is on February 19th. Exams are held at 9:00 am at Zion Lutheran Church. Call 651-769-0358 for information, to register or to arrange for special needs. Information is posted on the webpages also.



Proclamation

Whereas, Skip Jackson, KSØJ, has been a member of SEMARC for 20 years, and

Whereas, Mr. Jackson has served as SEMARC Secretary for over 10 years, and

Whereas, Mr. Jackson has served various SEMARC positions for over 15 years, and

Whereas, Mr. Jackson has been Section Manager for the American Radio Relay League Minnesota Section for 16 years, and

Whereas, the board of directors of the American Radio Relay League declared Mr. Jackson “a model to ARRL section managers across the country as a strong supporter of ARRL and its activities,” and

Whereas, in special recognition of his distinguished service to the amateur radio service in Minnesota and to SEMARC,

Now, therefore, be it resolved, in appreciation for his service the South East Metro Amateur Radio Club hereby bestows the title of

Member Emeritus

upon

Richard H. “Skip” Jackson, KSØJ

this 11th day of January in the year 2022, and

Be it further resolved this honor shall include a Life Membership in SEMARC.

Richard W. Lyden, KDØZWM
President

Joseph H. Hibberd, W3QLC
Secretary

Welcome to the Washington County ARES website (ARES Unit 163MN01)... Face - to - face ARES activities are in suspension until further notice due to Covid-19.... Check the two ARES Digital Nets in Minnesota and participate; Info under the [Events tab](#) gives details....60 Meter Interoperability exercises scheduled = see events tab and participate with us!!....The 147.180 Repeater is running at the Newport site (PL 74.4) and Forest Lake site(PL 100); we use this repeater for drills and activations. This covers the entire county and is in our WashCoARES Emergency Communications Plan... Support our Amateur Radio Clubs through your participation.

John Regan, KAØYHR

2022 MN ARES Conference

Feb 26th 1pm-5pm on Zoom

Want to improve your skills as an emergency communicator? MN ARES is hosting the first annual MN ARES Conference on Zoom.

Preliminary schedule:

Introduction by MN SEC Benton Jackson, KØBHJ

Keynote talk by a representative from ARRL HQ

Practicing your skills through public service

Think Local!

More information at <https://minnesotaares.org> as it becomes available.

To register, fill out the Google Form at <https://forms.gle/r3Enm4fGVUJUprbh6>

KØltc-I mailing list

KØltc-I@kØltc.org

<https://pairlist10.pair.net/mailman/listinfo/kØltc-I>

Help your XYL, children, grandchildren, friends and neighbors get their Technician license.

https://kØltc.org/tech_license_class/

Cont. from page 2 - Membership Renewals Are Due

Paid members are: ABØKT, ABØXE, AEØLF, AGØH, KA8VHF, KAØGX, KAØHYR, KBØLXW, KCØOIO, KCØQCO, KDØUFC, KDØIRF, KDØMHE, KE9JF, KEØHAL, KFØGFK, KFØCP, KFØBJU, KØGCP, KØJDD, KØZZT, KSØJ, NBØI, NØIWQ, NØUC, W3QLC, WA2DEE, WAØKRL, WBØOND, WKØX, and WØSU.

Your support for SEMARC is appreciated.

Thanx.

Joe Hibberd W3QLC

Stillwater Amateur Radio Club

SARA has graciously welcomed SEMARC members to attend their events, and more...

[Round Robin Ragchew on the SARA repeater](#)

147.060 - info to access the repeater is here [WØJH Repeater](#)

Tuesday's - 7:00 pm - 8:00 pm Wednesday's - 9:00 pm - 9:30 pm

[Social/Special Meetings](#)

Thursday Evenings: Social and informal "Eyeball QSO"

sessions from 6PM to 8PM

Here is a [new section](#) for NEW HAMS studying for a license test with SEMARC & as a refresher for licensed hams wanting to check their knowledge -

Sponsored by **Dan WDØGUP**

Here you go...

Every month we will present three random questions from the VE exams:

Test your knowledge.

This information is widely available on the internet.

The questions are in no particular order and I would Like you to answer each question in three parts:

First: What is the correct answer

Second: What test did it come from (tech, gen or Extra)

Third: Did you know the answer or did you use the internet to find it?

1 - What electrical component opposes the flow of current in a DC Circuit?

- a - Voltmeter
- b - inductor
- c - resistor
- d - transformer

2 - Which of the following can be determined with a directional watt meter?

- a - radio wave propagation
- b - antenna front to back ratio
- c - standing wave ratio
- d - RF interference

3 - Which of the following amateur radio bands most frequently provides long-path propagation?

- a - 20 meters
- b - 10 meters
- c - 6 meters
- d - 80 meters

Answers can be found elsewhere in this newsletter

New hams with correct answers at the end of this section series will win *(at the clubs discretion)*

A brand new ICOM IC-7851

OR

A *hearty congratulations!* from the club

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
AMATEUR RADIO LICENSE

FCC Registration Number (FRN) [REDACTED]

Special Conditions / Endorsements
NONE

Grant Date	Effective Date	Print Date	Expiration Date
05-13-2016	05-13-2016	05-13-2016	05-13-2026

File Number	Operator Privileges	Station Privileges
[REDACTED]	Amateur Extra	PRIMARY

THIS LICENSE IS NOT TRANSFERABLE

(Licensee's Signature) _____

FCC 660 - August 2021

Licensee: This is your ra authorization in sizes suitable for your wallet a for framing. Carefully cut documents along the line indicated and sign immediately upon receipt. They are not valid until signed.

The Commission suggests that the wallet size version be laminated (or another similar document protection process) after signing. The Commission has found under certain circumstances lower print is subject to displacement.

Call Sign / Number [REDACTED] Grant Date 05-13-2016 Expiration Date 05-13-2026 File Number [REDACTED] Print Date 05-13-2016 Effective Date 05-13-2016

Operator Privileges	Station Privileges	Special Conditions / Endorsements
Amateur Extra	PRIMARY	NONE

THIS LICENSE IS NOT TRANSFERABLE

AMATEUR RADIO LICENSE
FCC Registration Number (FRN) [REDACTED]

FCC 660 - August 2021

Minnesota QSO Party - MNQP

The first Saturday in February every year is the Minnesota QSO Party - MNQP. This is a fun contest that lets you as a Minnesota station be the one everyone else is trying to contact. It's like being the DX for a change, for 10 hours.

Though the members of Minnesota's contest club, the Minnesota Wireless Association, tend to take it seriously, this is really a pretty relaxed contest, and many people participate for less than the entire duration. It's held from 8a to 6p; the full rules (they're short) can be found at WAAA.org, the MWA's web site. Points are scored for each MN county or other entity you contact, and there are rovers who drive through multiple counties so that usually all 87 counties get activated. But many of us just operate from home. You can use a contest logging program or just one of the forms on the web site. There are also suggested times and frequencies to help you find other MN stations during the day. SARA members outside MN can join in, too, since individual states also count as multipliers. Each year, there are even a few European stations who participate.

I'm not much of a contester myself, so I appreciate the laid-back character of this event. This isn't the cut-throat national or international event, and even "little pistols" can participate and have fun. It's also not a 2-day marathon, so there's still room for other events during the weekend.

Give the MNQP a try!

73,

Greg K0GW

SEMARC survey of members

It covered such subjects as meetings, programs, radio nets, field activities and general comments. Your input to the survey was helpful for the Board of Directors to plan activities in 2022.

Some of our new members said they want to learn some general operating procedures. The best way to learn that is to participate in our radio events, such as Winter Field Day on January 29-30. We will try to provide at least one radio event each month. Come on out, watch and listen to experienced hams, and try your hand at the controls.

Other members expressed a desire for assistance with setting up their shack or installing an antenna. SEMARC has a Member Assistance Program to help you get on the air.

Contact Joe Hibberd W3QLC at joehibberd11@gmail.com

Did you know ...

The SEMARC webpage contains links to many websites that are helpful to new hams and experienced ones.

Visit www.semarc.org/P10_UL.htm.

New Club members can:

Keep in touch, post amateur related articles, sell amateur related items or asked for help and/or questions of other members.

This is a private network for our member's only and does not allow incoming or outgoing traffic to other networks.

Members will be getting an email requesting them to join and they can opt in or out.

Dick NØUC

Welcome to the Washington County ARES website (ARES Unit 163MN01).... Face - to - face ARES activities are in suspension until further notice due to Covid-19.... Check the two ARES Digital Nets in Minnesota and participate; Info under the [Events tab](#) gives details.....60 Meter Interoperability exercises scheduled = see events tab and participate with us!!...The 147.180 Repeater is running at the Newport site (PL 74.4) and Forest Lake site(PL 100); we use this repeater for drills and activations. This covers the entire county and is in our WashCoARES Emergency Communications Plan... Support our Amateur Radio Clubs through your participation.

John Regan, KAØYHR

CLUB APPAREL

You have seen some members wearing SEMARC caps, shirts and jackets. If you would like to order one for yourself, visit our website at [ApparelOrderForm.pdf \(semarc.org\)](#), then contact our order coordinator Dan Franz at wd0gup@hotmail.com. Dan will accept your order and payment, then order the item(s) from our vendor Advanced Sportswear in Newport.

If you have questions, contact **Joe Hibberd** at joehibberd11@gmail.com.

Answers to the Ham Study section -

- 1 C Tech
 - 2 C Gen
 - 3 A Extra
-

REMEMBER

Members can advertise items for sale AND items you are looking for.

The fee for placing ads is a membership in the SEMARC club, a small price to pay for access to all the club benefits and the many club members and their friends in other clubs that may be looking for just what you have to offer.

Also we can use articles in any aspect of Ham Radio that is of interest to you that may benefit the rest of us.

For example, EME. I would love to try my hand at it but have neither the money nor access to sky to make it possible. And yes, portable for sky access would be possible, but the funds still hinder my desire.

But, this is a prime example of where someone could share their experiences and insights on having fun doing various unique aspects of the hobby.

Rambling over...



THIS MONTHS WORLDWIDE CONTESTS

Thank you to [Bruce Horn WA7BNM](#) for the sharing of his calendar

<https://www.contestcalendar.com/>



Click the [±](#) link go to the specific contest info page

± Worldwide Sideband Activity Contest	0100Z-0159Z, Feb 1
± QCX Challenge	0300Z-0400Z, Feb 1
± RTTYOPS Weeksprint	1700Z-1900Z, Feb 1
± QRP Fox Hunt	0200Z-0330Z, Feb 2
± Phone Weekly Test	0230Z-0300Z, Feb 2
± A1Club AWT	1200Z-1300Z, Feb 2
± CWops Test	1300Z-1400Z, Feb 2
± Mini-Test 40	1700Z-1759Z, Feb 2
± VHF-UHF FT8 Activity Contest	1700Z-2000Z, Feb 2
± Mini-Test 80	1800Z-1859Z, Feb 2
± CWops Test	1900Z-2000Z, Feb 2
± UKEICC 80m Contest	2000Z-2100Z, Feb 2
± Walk for the Bacon QRP Contest	0000Z-0100Z, Feb 3 and 0200Z-0300Z, Feb 4
± CWops Test	0300Z-0400Z, Feb 3
± CWops Test	0700Z-0800Z, Feb 3
± RTTYOPS Weeksprint	1700Z-1900Z, Feb 3
± NRAU 10m Activity Contest	1800Z-1900Z, Feb 3 (CW) and 1900Z-2000Z, Feb 3 (SSB) and 2000Z-2100Z, Feb 3 (FM) and 2100Z-2200Z, Feb 3 (Dig)
± EACW Meeting	1900Z-2000Z, Feb 3
± SKCC Sprint Europe	2000Z-2200Z, Feb 3
± NCCC RTTY Sprint	0145Z-0215Z, Feb 4
± QRP Fox Hunt	0200Z-0330Z, Feb 4
± NCCC Sprint Ladder	0230Z-0300Z, Feb 4
± K1USN Slow Speed Test	2000Z-2100Z, Feb 4
± Vermont QSO Party	0000Z, Feb 5 to 2400Z, Feb 6
± 10-10 Int. Winter Contest, SSB	0001Z, Feb 5 to 2359Z, Feb 6



THIS MONTHS WORLDWIDE CONTESTS



Click the [±](#) link go to the specific contest info page

± EurAsia HF Championship	0600Z-1800Z, Feb 5
± F9AA Cup, CW	1200Z, Feb 5 to 1200Z, Feb 6
± Mexico RTTY International Contest	1200Z, Feb 5 to 2359Z, Feb 6
± FYBO Winter QRP Sprint	1400Z-2400Z, Feb 5
± Minnesota QSO Party	1400Z-2400Z, Feb 5
± FISTS Saturday Sprint	1600Z-1800Z, Feb 5
± British Columbia QSO Party	1600Z, Feb 5 to 0359Z, Feb 6 and 1600Z-2359Z, Feb 6
± AGCW Straight Key Party	1600Z-1900Z, Feb 5
± European Union DX Contest	1800Z, Feb 5 to 1800Z, Feb 6
± North American Sprint, CW	2300Z, Feb 5 to 0300Z, Feb 6
± Classic Exchange, CW	1400Z, Feb 6 to 0800Z, Feb 7 and 1400Z, Feb 8 to 0800Z, Feb 9
± K1USN Slow Speed Test	0000Z-0100Z, Feb 7
± OK1WC Memorial	1630Z-1729Z, Feb 7
± RSGB 80m Club Championship, SSB	2000Z-2130Z, Feb 7
± Worldwide Sideband Activity Contest	0100Z-0159Z, Feb 8
± ARS Spartan Sprint	0200Z-0400Z, Feb 8
± RTTYOPS Weeksprint	1700Z-1900Z, Feb 8
± NAQCC CW Sprint	0130Z-0330Z, Feb 9
± QRP Fox Hunt	0200Z-0330Z, Feb 9
± Phone Weekly Test	0230Z-0300Z, Feb 9
± A1Club AWT	1200Z-1300Z, Feb 9
± CWops Test	1300Z-1400Z, Feb 9
± VHF-UHF FT8 Activity Contest	1700Z-2000Z, Feb 9
± Mini-Test 40	1700Z-1759Z, Feb 9
± Mini-Test 80	1800Z-1859Z, Feb 9
± CWops Test	1900Z-2000Z, Feb 9
± CWops Test	0300Z-0400Z, Feb 10
± CWops Test	0700Z-0800Z, Feb 10



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± RTTYOPS Weeksprint	1700Z-1900Z, Feb 10
± EACW Meeting	1900Z-2000Z, Feb 10
NCCC RTTY Sprint	0145Z-0215Z, Feb 11
± QRP Fox Hunt	0200Z-0330Z, Feb 11
± NCCC Sprint Ladder	0230Z-0300Z, Feb 11
± K1USN Slow Speed Test	2000Z-2100Z, Feb 11
± CQ WW RTTY WPX Contest	0000Z, Feb 12 to 2359Z, Feb 13
± SARL Field Day Contest	1000Z, Feb 12 to 1000Z, Feb 13
± Asia-Pacific Spring Sprint, CW	1100Z-1300Z, Feb 12
± KCJ Topband Contest	1200Z, Feb 12 to 2359Z, Feb 13
± Dutch PACC Contest	1200Z, Feb 12 to 1200Z, Feb 13
± SKCC Weekend Sprintathon	1200Z, Feb 12 to 2400Z, Feb 13
± YLRL YL-OM Contest	1400Z, Feb 12 to 0200Z, Feb 14
± OMISS QSO Party	1500Z, Feb 12 to 1500Z, Feb 13
± RSGB 1.8 MHz Contest	1900Z-2300Z, Feb 12
± Balkan HF Contest	1300Z-1700Z, Feb 13
± PODXS 070 Club Valentine Sprint	0000Z-2359Z, Feb 14
± K1USN Slow Speed Test	0000Z-0100Z, Feb 14
± CQC Winter QSO Party	0100Z-0259Z, Feb 14
± 4 States QRP Group Second Sunday Sprint	0100Z-0300Z, Feb 14
± ARRL School Club Roundup	1300Z, Feb 14 to 2359Z, Feb 18
± OK1WC Memorial	1630Z-1729Z, Feb 14
± Worldwide Sideband Activity Contest	0100Z-0159Z, Feb 15
± RTTYOPS Weeksprint	1700Z-1900Z, Feb 15
± QRP Fox Hunt	0200Z-0330Z, Feb 16
± Phone Weekly Test	0230Z-0300Z, Feb 16
± A1Club AWT	1200Z-1300Z, Feb 16



THIS MONTHS WORLDWIDE CONTESTS



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± CWops Test	1900Z-2000Z, Feb 16
± VHF-UHF FT8 Activity Contest	1700Z-2000Z, Feb 16
± Mini-Test 40	1700Z-1759Z, Feb 16
± Mini-Test 80	1800Z-1859Z, Feb 16
± AGCW Semi-Automatic Key Evening	1900Z-2030Z, Feb 16
± CWops Test	1900Z-2000Z, Feb 16
± RSGB 80m Club Championship, Data	2000Z-2130Z, Feb 16
± Walk for the Bacon QRP Contest	0000Z-0100Z, Feb 17 and 0200Z-0300Z, Feb 18
± CWops Test	0300Z-0400Z, Feb 17
± CWops Test	0700Z-0800Z, Feb 17
± RTTYOPS Weeksprint	1700Z-1900Z, Feb 17
± NTC QSO Party	1900Z-2000Z, Feb 17
± EACW Meeting	1900Z-2000Z, Feb 17
± NCCC RTTY Sprint	0145Z-0215Z, Feb 18
± QRP Fox Hunt	0200Z-0330Z, Feb 18
± NCCC Sprint Ladder	0230Z-0300Z, Feb 18
± K1USN Slow Speed Test	2000Z-2100Z, Feb 18
± ARRL Inter. DX Contest, CW	0000Z, Feb 19 to 2400Z, Feb 20
± Russian PSK WW Contest	1200Z, Feb 19 to 1159Z, Feb 20
± Feld Hell Sprint	1900Z-2059Z, Feb 20
± FISTS Sunday Sprint	2100Z-2300Z, Feb 20
± Run for the Bacon QRP Contest	2300Z, Feb 20 to 0100Z, Feb 21
± K1USN Slow Speed Test	0000Z-0100Z, Feb 21
± OK1WC Memorial	1630Z-1729Z, Feb 21
± Worldwide Sideband Activity Contest	0100Z-0159Z, Feb 22
± RTTYOPS Weeksprint	1700Z-1900Z, Feb 22
± SKCC Sprint	0000Z-0200Z, Feb 23



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± QRP Fox Hunt	0200Z-0330Z, Feb 23
± Phone Weekly Test	0230Z-0300Z, Feb 23
± A1Club AWT	1200Z-1300Z, Feb 23
± CWops Test	1300Z-1400Z, Feb 23
± Mini-Test 40	1700Z-1759Z, Feb 23
± Mini-Test 80	1800Z-1859Z, Feb 23
± CWops Test	1900Z-2000Z, Feb 23
± UKEICC 80m Contest	2000Z-2100Z, Feb 23
± CWops Test	0300Z-0400Z, Feb 24
± CWops Test	0700Z-0800Z, Feb 24
± RTTYOPS Weeksprint	1700Z-1900Z, Feb 24
± EACW Meeting	1900Z-2000Z, Feb 24
± RSGB 80m Club Championship, CW	2000Z-2130Z, Feb 24
± NCCC RTTY Sprint	0145Z-0215Z, Feb 25
± QRP Fox Hunt	0200Z-0330Z, Feb 25
± NCCC Sprint Ladder	0230Z-0300Z, Feb 25
± K1USN Slow Speed Test	2000Z-2100Z, Feb 25
± CQ 160-Meter Contest, SSB	2200Z, Feb 25 to 2200Z, Feb 27
± REF Contest, SSB	0600Z, Feb 26 to 1800Z, Feb 27
± FTn DX Contest	1200Z, Feb 26 to 1200Z, Feb 27
± UBA DX Contest, CW	1300Z, Feb 26 to 1300Z, Feb 27
± South Carolina QSO Party	1500Z, Feb 26 to 0159Z, Feb 27
± NA Collegiate Championship, RTTY	1800Z, Feb 26 to 0559Z, Feb 27
± North American QSO Party, RTTY	1800Z, Feb 26 to 0559Z, Feb 27
± High Speed Club CW Contest	1400Z-1700Z, Feb 27
± North Carolina QSO Party	1500Z, Feb 27 to 0100Z, Feb 28
± K1USN Slow Speed Test	0000Z-0100Z, Feb 28



THIS MONTHS WORLDWIDE CONTESTS



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± QCX Challenge	1300Z-1400Z, Feb 28
± OK1WC Memorial	1630Z-1729Z, Feb 28
± QCX Challenge	1900Z-2000Z, Feb 28
± RSGB FT4 Contest	2000Z-2130Z, Feb 28