



The RELAY

December 2025



A.R.A.C. Inc. P.O. Box 7164 Duluth MN 55807-7164 <http://www.thearac.org> Dues: Member \$20/Family \$25

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2025 Holiday Gift Ideas & Buying Guide

It's that magical time of year again: twinkling lights on the tower, eggnog in the shack, and the **ARAC Holiday Gift Ideas & Buying Guide** riding in with a sleigh full of goodies!

Whether you're shopping for the newest Technician in the family, a seasoned DXer who already "has everything," or one last gift to light up your little one's eyes, we've assembled another Christmas edition of the **Relay** with lots of gift-giving fun.

As always, we begin with our **2025 Editors' Pick: The ICOM IC-7300MK2**

Based on the legendary IC-7300, ICOM's new **IC-7300MK2** was announced at the **JARL Ham Fair in August 2025** and is now shipping as an evolutionary upgrade. This excellent transceiver truly refines the original favorite with better receiver performance, modern connectivity (like HDMI and USB-C), lower power draw, and new features for contesters, DXers, and remote operators.

The price difference reflects these enhancements, and the MK2's great features helps users wanting "future-proof" tweaks without jumping to even pricier rigs. It's still the compact desktop design everyone loves, plus the MK2 is considered a fresh model with ongoing firmware support.



The MK2's standout upgrade is its **refined SDR**—better RMDR pulls weak DX signals from noise better (e.g., in crowded contests), and lower phase noise means your signal is cleaner on the air. Filter switching is faster with **less transient noise**, and overall stability shines in long sessions. MK2 runs **cooler and quieter (20% less RX power draw**, smarter fan), ideal for shacks without great ventilation or portable/base hybrid use. Definitely "2025-ready" with **HDMI** for big-screen spectrum viewing (great for multi-monitor setups), **USB-C for easier PC integration**, and native remote control—no extra hardware for internet ops. **Built-in CW decoder** is a game-changer for CW fans—no laptop needed!

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**WINTER
2025**

ARAC Official Website <http://www.thearac.org>



ARAC Board Meeting - November 4, 2025

PRESIDENT



NØVRM
Gene Ellefsen
3710 Chambersburg Ave
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lspitech@mail.com

VICE PRESIDENT



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SECRETARY



KF0ILA
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TREASURER



KRØB
Randy Wabik

3RD YEAR BOARD



AA0AC
Dave Davis

218-348-6649
aa0ac@outlook.com

2ND YEAR BOARD



KD9VKI
Justin Cheever

jcheever13@gmail.com

1ST YEAR BOARD



KF0LFZ
Brian Beckman

Present:

Board Members

Gene Ellefsen - NØVRM, William Turk - KF0ILA, David Pyrlik - KØDJP, Brian Beckman - KF0LFZ, Randy Wabik - KR0B, Dave David - AA0AC, Justin Cheever - KD9VKI

Board Advisors (Non-Board Members)

Doug Nelson - AA0AW, Rick Minnoti

Guest:

Meeting called to order by President Gene - NØVRM at 18:35 (6:35 pm)

Minutes:

Approved by Justin Cheever - KD9VKI and Dave Davis - AA0AC

Treasurer's Report:

Checking: 365.73
Savings: 6300.45
Repeater: 4677.51
Assets Subtotal: \$11,486.88

Motion made by Brian Beckman - KF0LFZ to accept Treasurer's report as is, seconded by Justin Cheever - KD9VKI. Motion passed.

New Business:

Extra Class Study Wednesday nights - December 13th testing (ARRL)

Tech Level Class Tuesday nights

Rick Minotte KB0YBA voted on to be the event chair for the club

Member Roster to be cleaned up

Financial Reports refreshed and updated

New Laptop purchased for Treasurer - Donated (no need for funds) Christmas Party - budget to spend

Food - \$400 1st Dave 2nd Will

Prizes - \$100

Chris (Coppertop Janitor) - Gift 1st Justin 2nd Will

Winter Field Day - January 24-25

Dues Coming Due - start paying Randy

Motion to adjourn by Dave - AA0AC, seconded by William Turk - KF0ILA, motion passed at 19:50 (7:50 PM).



ARAC Club Meeting Minutes

November 13, 2025

Present:

President: Gene Ellefsen – N0VRM
Treasurer/Membership: Randy Wabik - KR0B
Secretary: William Turk – KF0ILA
First Year Board: Brian Beckman- KF0LFZ
Second Year Board: Justin Cheever – KD9VKI
Third Year Board: Dave Davis – AA0AC
Parliamentarian: Grant Forsyth – KC0WUP
HamFest/Education: Bob Schulz – KC0NFB
Special Events: Open/Gene Ellefsen – N0VRM (acting)
Testing: Doug Nelson – AA0AW
Vice President: Dave Pyrlik – K0DJP
Repeater: Dave Pyrlik – K0DJP
Property/Picnic: Scott Ahlgren – N0VYU

Absent:

Newsletter/Historian: Kim Waller – KE0NQS
Newsletter/Historian: Steve Waller – KE0NQT
Web Site: Thomas Dorr – KE0RHA
Chaplin:

Meeting called to order at 19:03 (7:03 PM) by President Gene Ellefsen – N0VRM.

Minutes:

Minutes are posted on the website and in the newsletter. Motion to accept by Justin Cheever - KD9VKI, seconded by Paul - KF0GEX, motion Passed.

Treasurer's Report:

Checking: 365.73
Savings: 6300.45
Repeater: 4677.51
Assets Subtotal: \$11,486.88

Firsted by Jeff - KC0MKS seconded by Ray - KE0ZN motion passed

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ARAC Club Meeting Minutes, cont.

Testing:

Technician level class has started with Bob - KC0NFB, contact him for more details.

Doug - AA0AW will be doing a Extra class study group has started
Testing session House of Refuge December 13th 9-9:30am registration

As always if you are looking to test or upgrade or know of anyone that is interested in testing, please contact Doug Nelson at AA0AW@arrl.net.

New Business:

Club Dues are coming up for the new year, pay Randy Wobik
Motion for up to \$400 for food and \$100 for prizes for christmas party passed
Motion for \$300 for repeater UPS passed
Christmas Party Starts at 6PM December 11th
Happy Birthday for Jonas - K0ILS 96th Birthday
Pass Cavity will be tried in the 94 to improve it
January 24th-25th Winter field day at Dave Davis's house

Silent Key: (Please keep their family in your thoughts)

Door Prize was won by Rick -KB0YBA (Again!?)

Motion to adjourn by Paul - KF0GEX, seconded by Will - KF0ILA, motion passed at 19:26 (7:26 PM).

**CLUB REPEATER
WØGKP
146.94 (-)
CTCSS TONE
103.5**



Prez Sez ...

Hi Everyone!

The December Club meeting on Thursday December 11 will start at 6:00 PM--one hour early.

This is the election of Officers and our annual Christmas Party. It is a pot-luck so bring your favorite dish to share.

Also if you could bring a gift for the exchange that would be great. Hope to see a lot of you there!!

Merry Christmas and Happy New Year!
Gene Ellefsen NØVRM



**LOOKING for an Amateur Radio License
TESTING SESSION?**

Schedule your own Testing Session TODAY!

Contact Doug Nelson-AA0AW at aa0aw@arrl.net or 218-391-5874

All Exam Candidates are REQUIRED to have an FCC Registration Number (FRN) before exam day, which will require your email address.

Not Currently Licensed? For New License Candidate FRN registration, go to: www.fcc.gov/new-users-guide-getting-started-universal-licensing-system-uls

Upgrading to General or Expert Class & not sure you have an FRN number?
go to

<https://wireless2.fcc.gov/UIsApp/UIsSearch/searchLicense.jsp>

UPGRADE CANDIDATES:

Please bring a copy of your current license to the exam session.

CW Abbreviations

AR End of Message

AS Pse QRX

BK Back to You

SK End of Contact

TU Thank You

PSE Please

K Invite to Transmit

QST Calling all Amateurs

QRL Are You Busy? QRU Have anything for me

QRV Are You Ready?

QRX Standby

QRS Transit Slower

A - - -	M - - -	Y - - - -
B - - - -	N - - -	Z - - - -
C - - - - -	O - - - -	1 - - - - -
D - - - - -	P - - - -	2 - - - - -
E - - - - -	Q - - - -	3 - - - - -
F - - - - -	R - - - -	4 - - - - -
G - - - - -	S - - - -	5 - - - - -
H - - - - -	T - - - -	6 - - - - -
I - - - - -	U - - - -	7 - - - - -
J - - - - -	V - - - -	8 - - - - -
K - - - - -	W - - - -	9 - - - - -
L - - - - -	X - - - -	0 - - - - -

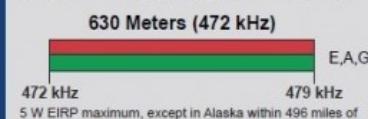


US Amateur Radio Bands

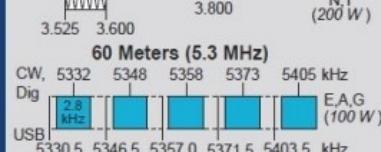
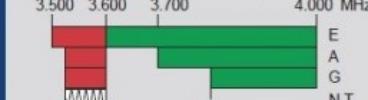
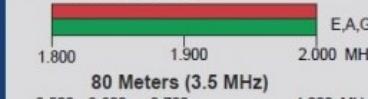
US AMATEUR POWER LIMITS

FCC 97.313 An amateur station must use the minimum transmitter power necessary to carry out the desired communications. (b) No station may transmit with a transmitter power exceeding 1.5 kW PEP.

On March 28, 2017, the Federal Communications Commission adopted rules that will allow Amateur Radio access to 472-479 kHz (630 meters) and to 135.7-137.8 kHz (2,200 meters). However, amateurs cannot use these frequencies until 30 days after the Report and Order is published in the Federal Register and the final procedures for registering stations with the Utilities Telecoms Council (UTC) have been approved and announced. At the time this chart was created, the Report and Order had not been published and the UTC online registration site is not yet available. Follow ARRL news for further information. New charts will be published at www.arrl.org/graphical-frequency-allocations when the bands are fully available for use.



160 Meters (1.8 MHz)
Avoid interference to radiolocation operations from 1.900 to 2.000 MHz



General, Advanced, and Amateur Extra licensees may operate on these five channels on a secondary basis with a maximum effective radiated power (ERP) of 100 W PEP relative to a half-wave dipole. Permitted operating modes include upper sideband voice (USB), CW, RTTY, PSK31 and other digital modes such as PACTOR III. Only one signal at a time is permitted on any channel.

**Effective Date for
2,200 and 630 Meters
to be announced**



ARRL The national association for AMATEUR RADIO®

KEY

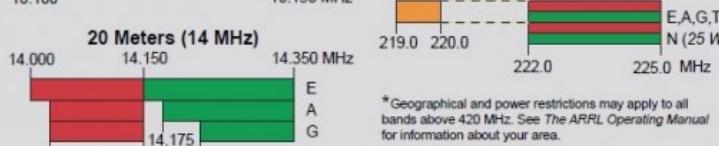
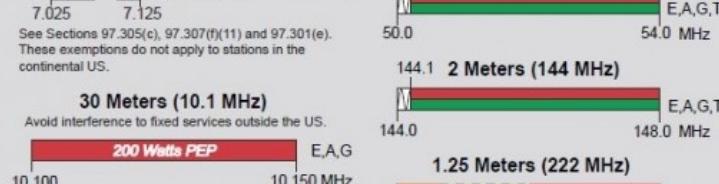
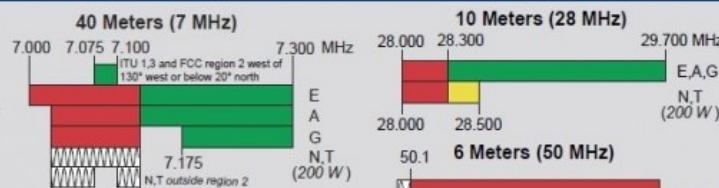
	= RTTY and data
	= phone and image
	= CW only
	= SSB phone
	= USB phone, CW, RTTY, and data
	= Fixed digital message forwarding systems only

Note:
CW operation is permitted throughout all amateur bands.

MCW is authorized above 50.1 MHz, except for 144.0-144.1 and 219-220 MHz.

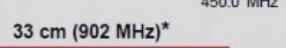
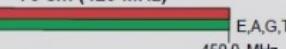
Test transmissions are authorized above 51 MHz, except for 219-220 MHz.

2,200 Meters (135 kHz)



* Geographical and power restrictions may apply to all bands above 420 MHz. See *The ARRL Operating Manual* for information about your area.

70 cm (420 MHz)*



All licensees except Novices are authorized all modes on the following frequencies:

2300-2310 MHz 10.0-10.5 GHz ± 122.25-123.0 GHz
2390-2450 MHz 24.0-24.25 GHz 134-141 GHz
3300-3500 MHz 47.0-47.2 GHz 241-250 GHz
5650-5925 MHz 76.0-81.0 GHz All above 275 GHz

‡ No pulse emissions

ARRL We're At Your Service

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email: news@arrl.org

Exams: 860-594-0300 email: vec@arrl.org

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NETS

Have a favorite HF/6m/2m/1.25m/70cm net that you check into or listen in on? Also, please send corrections and we will add it to the list below - Kim KE0NQS at my email KE0NQS.mn@gmail.com.

- **Northland Weather Group Net:** Mondays 2000 on the ARAC repeater (146.940 MHz with a tone of 103.5 and standard offset).
- **Minnesota D-Star Net:** Sundays at 19:30 on Reflector 53A
- **Minnesota Section Net** 1200 and 1730 on 3.860 [Net Manager: NØYR] http://www.mn-section.org/dept_stm.html
- The non-non-net: Evenings 2000 144.200 USB except for Sunday evenings.
- Badger WX Net: 0500-0715 on 3.985. Give 24 hour high/low/current temperature, precipitation and snowfall.
- **PICONET:** 3.925 from 0900-1100 CT Mon-Sat and 1600-1700 CT Mon-Fri. Info at: <http://www.piconet3925.com>
- Michigan Upper Peninsula Net: 1600 (CST) on 3.921 MHz Sun-Sat and 1200 Sun. Info: <http://www.michupnet.com>
- Great Lakes Marine/Maritime Mobile Net: Morning 07:30 - 3.932; 08:15 - 7.261 MHz and evening 18:30 - 3.1730927; 19:15 - 7.268 MHz. Weekend extra net: 10:00 - 7.261/7.268 MHz. All CST, LSB and +/- QRM. See: <http://www.sailblogs.com/member/glmmnet/>
- MIDCARS: 07:30-13:00 - 7.258 MHz. See: <http://www.midcars.net>
- Iowa snowbird net on 14.257MHz, M-W-F at 10:00 am Local Time. This is an open net.
- Spider Web Net (Marco Island FL) on 14.347 every morning at 0730 CST/CDT: <http://www.spiderwebnet.net>
- Maritime Mobile Service Network: Daily at 1100—2100 Central on 14.300. <http://mmsn.org> and <http://www.14300.net>
- RV Radio Network: Every day at 1900 Central on 7.265 MHz. Web site: <http://www.rvradionetwork.com>
- Upper Midwest Ten Meter Net: Every Thursday Evening @ 8 PM – 28.480 MHz USB
- Wisconsin Sideband Net: Daily @ 5:15 PM – 3985 [or 3982.5] KHz LSB
- Hobby Helpers Net - Tuesday @ 8 PM – 28.330 MHz USB (Isanti MN) LSB [Net Manager: WO0A].
- Northstar Trader Net: 3.908 +/- at 0830 CST Sundays
- WARFA: 3.908 +/- Sun/Tue/Thu nights at 2200 CST, <http://warfa.org/>
- Youth Net: 14.320-14330 Sundays 1800-1900 UTC, Net Control: AC8PI
- YACHT: Saturdays 1900 CST on EchoLink #481872, <http://yachthams.webstarts.com>
- Northwestern Ontario ARES Net: Evenings at 20:15 (Central) on +/- 3.750Mhz
- The Iron Range Net: Saturdays at 0800 Central time on or near 3.919 Mhz. Look them up on Facebook!
- FORX Net: Mondays at 1900 Central at 3.941 Mhz +/- QRM. WA0JXT — Grand Forks, North Dakota
- HF CW: Fridays 08:00 CST, 7.112 MHz. Informal slow speed CW Net. W8IRT NCS. Email: w8irt@aol.com
- Minnesota ARES Digital Net: Thursdays at 2000 CST, 3.5835 MHz USB +/- QRM, Mode: Olivia 8/500.
- SARA Digital Net: Sundays at 1900 Local, 3.582.150 MHz USB +/- QRM, Mode: BPSK31/BPSK63
- Spider Web Net (Marco Island FL): 14.347 every morning at 0730 CST/CDT: <http://www.spiderwebnet.net>
- Broadcaster Net: 7.231 or 3.855 M/W/F @ 1500 UTC. 14.255 M-F @ 2130 UTC. <http://www.cbsretirees.com/ham.htm>
- Old Military Radio Net: 7.268 +/- nightly at 0200z. Other times/Frequencies too. See: <http://www.mrca.ar88.net/>
- Rag Chew Crew/Tailgaters/Freewheelers Nets: 3.916 +/- nightly at 1900 CST, <http://www.tailgatersnet.com>
- North South Net: 7.214.6 +/- at 0700 CST, Monday-Saturday



DULUTH AREA REPEATERS

ARAC System WØGKP

Frequency	Offset	Tone	Location	
146.940	minus	103.5	Duluth	
146.940	minus	107.2	Lakeside (recv)	
146.940	minus	151.4	Two Harbors (recv)	
146.940	minus	100.0	Gary-New Duluth (recv)	
146.940	minus	110.9	Cloquet (recv)	Not Operating
147.000	minus	103.5	Mahtowa	
444.100	plus	103.5	Duluth UHF	Link

N9MMU/N9QWH System (WI)

145.310	minus	110.9	Duluth
145.490	minus	110.9	Solon Springs
147.255	plus	110.9	Hayward
145.110	minus	110.9	Rice Lake
147.345	minus	136.5	Holcombe
145.230	minus	110.9	Eau Claire

WECOMM – WI Statewide Linked System WE9COM

147.075	plus	110.9	Meteor Hill
			(closest repeater to Duluth)

LSAC System – some may work/some may still be linked

147.330	plus	151.4	Proctor	Not Operating
147.270	plus	114.8	Two Harbors	
147.270	plus	103.5	Wales	
147.090	plus	114.8	Silver Bay	Not Operating
147.300	plus	114.8	Isabella	
145.150	minus	103.5	Washburn, WI	
146.700	minus	103.5	Bayfield, WI	
443.850	+5.00	none	Bayfield, WI	
147.165	plus	110.9	Hurley, WI	
146.640	minus	151.4	Ely	Not Operating
443.500	+5.00	141.3	Gilbert	
147.060	plus	103.5	Virginia	
147.360	plus	162.2	Cook	
147.165	plus	114.8	Coleraine	Not Operating
443.925	+5.00	110.9	Brainerd	
443.200	+5.00	114.8	Tamarack	
147.360	plus	203.5	Aitkin	
146.865	minus	146.2	Giese	Not Operating
443.325	+5.00	146.2	Isanti	

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DULUTH AREA REPEATERS, continued

NARC System NAØRC

147.135	plus	103.5	Knife River
147.135	plus	114.8	Duluth (rcv)

Stand Alone Repeaters

145.210	minus	110.9	Clam Lake, WI
146.880	minus	123.0	Grand Rapids, MN
146.910	minus	146.2	Duxbury, MN
146.955	minus	146.2	Askov, MN
147.105	plus	110.9	Chaffey, WI
444.850	+5.00	141.3	Cloquet, MN

Fusion

Fusion (Analog has tone and C4FM digital with no tone)

147.150	plus	151.4	NTØB Gilbert, MN Fusion Repeater
145.170	minus	110.9	WA9KLM Superior, WI – Douglas County RACES/ARES Fusion Repeater
(Digital only)			Fusion Room 28373
145.250	minus	103.5	KBØYHX Cloquet, MN – Carlton County RACES/ARES Fusion Repeater
444.300	+5.00	103.5	NØEO Duluth, MN – Spirit Valley Amateurs Fusion Repeater WIRES-X
NØEO (Analog only)			Fusion Room 40494
444.400	+5.00	103.5	NAØRC Knife River, MN – Wires X Connected to NØEO Room 40494
444.500	+5.00	103.5	NØLCR Two Harbors, MN – Wires X Connected to NØEO Room 40494
444.600	+5.00	103.5	NØLCR Silver Bay, MN – Wires X Connected to NØEO Room 40494
444.800	+5.00	103.5	NØLCR Grand Marais, MN – Wires X Connected to NØEO Room 40494
440.400	+5.00	110.9	WØLSA Maple, WI – Wires X Connected to NØEO Room 40494

D-Star

147.375	plus	NØEO D Star
442.200	plus	NØEO D Star

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Elmers

El-mer / əl-mər/ [el-mer]

1. a male given name: from Old English words meaning “noble” and “famous.”
2. an adhesive used to bond like or unlike materials
3. An experienced ham radio operator who mentors new and prospective hams.

Name	Call Sign	Expertise
Jeff Nast	KCØMKS	APRS, EchoLink, WinLink, Fusion, Contesting
Bob Schulz	KCØNFB	Contesting
Jim Anderson	NØJWA	QsoNet
Doug Nelson	AAØAW	HF, VHF/UHF, Contesting, Packet, APRS, Morse Code, VE testing, Echolink, Allstar, EmCom...



Membership Email Directory

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Hanson, Gary	NUØW
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Harstad, Ben	KEØJDB
	coast_guard_aux_duluth@yahoo.com

Contact Kim or Steve Waller to include your name in this listing!

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	AJ
	KDØYPZ
	Ben
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Nelson, John	KBØSUW
	jon275@q.com
Nordin, Al	WBØDBQ
	anordin@aol.com
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	kc9jtc@yahoo.com
Pearson, Wayne	WØKRH
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	kc0yvm@gmail.com
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	dpomroy@pm.me

Contact Kim or Steve Waller to include your name in this listing!

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	Mike
	KB9KRA
	Brian
	KB9KUX
	Chris
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Members, please check your name and email address for accuracy. If you are not on this list and want to be on the list, contact us with your info. If you need to make a change, please let us know at KE0NQS.mn@gmail.com OR KE0NQT@gmail.com

*Co-Editors,
Kim & Steve Waller
KEØNQS & KEØNQT*



SUNDAY NIGHT NETS
 1930 - CW - 28.125 MHz USB-CW
 2000 - USB 28.450 MHz
 2100 - Southern St. Louis County
 Emergency Services Net
MONDAY NIGHT NETS
 2000 - Northland WX Net - ARAC Repeater

DECEMBER

CLUB EVENTS

TUESDAY NIGHT NETS
 2000 - Douglas City 145.490 MHz
 2030 - Central Carlton County
WEDNESDAY NIGHT NETS
 1900 - Lake County - LSAC1
 2nd & 4th Wednesdays
 2100 - BWAR

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1 WX 2000 KCØMKS	2 ARAC BOARD MEETING Sammy's Pizza 6:30 pm DC Net 2000 CC Net 2030	3 2100 -BWAR	4	5	6
7 CW 1930 AAØAW USB 2000 KRØB ES 2100 KD9VKI	8 DC ARES/ RACES Mtg 1900 DC EOC WX 2000 KCØMKS	9 DC Net 2000 CC Net 2030	10 Lake County ARES/RACES Meeting 1800 Lake County Net 1900 2100 -BWAR	11 ARAC Club Christmas Party Coppertop Church 6:00 PM	12	13
14 CW 1930 NØPDG USB 2000 NØVRM ES 2100 KCØWDQ	15 WX 2000 KCØMKS	16 DC Net 2000 CC Net 2030	17 St Louis County ARES/RACES Meeting 1800 2100 -BWAR	18 ??? Carlton County ARES/RACES Meeting 1900 CC EOC	19	20
21 CW 1930 AAØAW USB 2000 NØPDG ES 2100 KFØLFZ	22 WX 2000 KCØMKS	23 DC Net 2000 CC Net 2030	24 Lake County Net 1900 2100 -BWAR	25 MERRY CHRISTMAS! 	26	27
28 CW 1930 NØPDG USB 2000 AAØAW ES 2100 WØNWØ	29 WX 2000 KCØMKS	30 DC Net 2000 CC Net 2030	31 2100 -BWAR			

**Get this newsletter *faster*
via email!**

**Email Doug AAØAW at
aa0aw@arrl.net**

**Next Club Meeting/Christmas Party:
Thursday,
December 11th, 2025 - 6 pm
at the Coppertop Church!**

ARAC Committee Chairs



Club License Trustee:
Ray Barnes KEØZN

Control Operators:
AAØAW - NØKXT - KCØNFB

Newsletter/Historian:
Kim KEØNQS & Steve KEØNQT
Waller

Education Chair:
Bob Schulz KCØNFB

Hamfest Chair:
Bob Schulz KCØNFB

Chaplain:
Rollie Bockbader KBØCK

Visiting Chaplain:

Parliamentarian:
Grant Forsyth KCØWUP

Website:
Thomas Dorr KEØRHA

Membership:
Sam Frey KEØYTM

Property Chair:
Scott Ahlgren NØVYU

Testing:
Doug Nelson AAØAW

Field Day:

Picnic Chair:
Scott Ahlgren, NØVYU

Repeater Chairs:
Randy Haglin NØBZZ
Randy Wabik KAØJZV

Contest Calendar at www.contestcalendar.com

National Contest Journal at www.ncjweb.com

QSO Party Note: State/Province/National QSO Parties are abbreviated with the 2 or 3 letter abbreviation for the state/province/national designation followed by QP for QSO Party:

Examples: Minnesota QSO Party is MNQP
British Columbia QSO Party = BCQP

QRZ web site at www.qrz.com

VHF Propagation site at www.aprs.mountainlake.k12.mn.us

Reminder: The Contest Corral monthly listing of contests can be found in each issue of QST. ARRL sponsored contests can be found in Contest Corral, highlighted, or on the ARRL's web site at arrl.org.



HOLIDAY GIFT IDEAS & BUYING GUIDE

RADIOS & Equipment



Editors' Pick!

ICOM IC-7300MK2 100W HF/50 MHz Transceiver

The next-generation HF/50 MHz SDR transceiver with Enhanced Performance and Even More Excitement. Key upgrades include an improved RMDR of 105 dB typical, lower power consumption, an HDMI Port for external display, and a Built in CW Decoder.

Ships to you "2nd Half of December" **\$1,499.95** at GigaParts.com



ICOM 52A PLUS 2025 Edition

VHF/UHF Multi-Function D-Star Handheld Transceiver

Color waterfall display, IPX7 waterproof, 2M/70cm, built-in GPS, full D-STAR, True wireless Bluetooth photo sharing (send pics from your phone straight to the airwaves), Cable-free Terminal/Access Point modes with Android or iOS, 5W Output, 7.4VDC 1180mAH Li-Ion Battery or External 13.8VDC, USB-C Cable



Perfect gift for the serious VHF/UHF operator, D-STAR enthusiast, emergency comms volunteer, SOTA/POTA activator who wants the best!

Regularly **\$749.55**

SALE \$598.95 at DXEngineering.com

AnyTone AT-D578UVIII Tri-Band Mobile Transceiver

Tri-band TX with full DMR Tier I/II support (4,000 channels, 10,000 talk groups) Built-in GPS for APRS location sharing (TX/RX on both digital and analog) Bluetooth for wireless audio and PTT (pairs with headsets or car systems) Dual receivers for full-duplex monitoring (e.g., VHF + UHF simultaneously) Air band AM receive for aviation enthusiasts, plus wideband RX (108–136 MHz AM)

This rig excels as a vehicle-mounted unit or base station, offering crystal-clear digital audio, high power output, and seamless analog/digital switching

\$514.99 at DXEngineering.com

IC-7300MK2 KEY FEATURES

100W Output on HF/50 MHz: Robust all-mode (SSB/CW/AM/RTTY/FM) transmission with a built-in automatic antenna tuner for seamless band coverage.

Enhanced Receiver Sensitivity: Superior RMDR of 105 dB (typical at 2 kHz offset) and phase noise of -139 dB/Hz at 1 kHz offset for pulling weak signals from crowded bands.

RF Direct Sampling SDR Architecture: High-resolution 32-bit floating-point processing for crystal-clear audio and dynamic range.

7-Inch Color Touchscreen Display: Intuitive interface with real-time spectrum scope and waterfall function to spot signals instantly.

HDMI Port for External Monitor: Connect to a large screen for expanded spectrum, waterfall, and menu views—plus audio routing to monitor speakers.

Built-In Morse Code Decoder: First for ICOM HF rigs—decodes CW without PC or external gear; auto-adjusts decode filter, keying speed, and threshold for optimal readability.

Advanced APF (Audio Peak Filter): Sharpens CW signals for superior intelligibility in noisy conditions.

USB Type-C Port: Dual virtual COM ports plus audio support—one cable handles digital modes (e.g., FT8) and logging simultaneously.

Built-In Ethernet (LAN) Port: Enables PC-less remote operation via RS-BA1 Version 2 software—control settings, spectrum, and even power ON/OFF over the internet.

Dedicated RX Antenna Ports (SMA): Easy integration of low-noise receive antennas, bandpass filters, or preamps for optimized reception.

Improved Power Management: Reduced standby consumption to 0.7A (from 0.9A) and quieter fan control for stable, low-heat operation during long contests.

Compact Design: 9.3 lbs & a small footprint. Perfect for shack or portable use.

SOMA Laboratory Messeiver Shortwave Radio

Plays Worldwide Radio Stations
Randomly Accesses Broadcasts
Classic Handmade Design
Wide-Range Speaker
1/4" Output and External Input
Custom Coil
NOS Germanium Diodes
Vintage Neon Bulb
1/4" input allows Messeiver to function as an external speaker
1/4" output for recording or monitoring the output
Adjustable volume control
Switchable high-frequency cut
Multiple antenna inputs
Powered via mains or DC source

\$616.00 at bhphotovideo.com

Available in Dark or
Light Wood Cabinet



Continued on Page 14



HOLIDAY GIFT IDEAS & BUYING GUIDE *continued*

SIGNS & PLAQUES



8''X12'' Metal Ham Radio Heartbeat Sign

Distressed look sides with pre-drilled holes

\$12.68 at [Amazon.com](#)



American Morse Code 24''X36'' Poster

From Poster Foundry Store, this classic guide comes rolled up and ready for the frame of your choice. Available in 7 sizes to perfectly fit any ham shack, this one is the most popular size. **\$21.99** at [Amazon.com](#)

Vintage-look Beware of Ham Radio Operator

This classic 11''X17'' sign is back! Made in a heavy duty outdoor-grade plastic, it has the vintage metal look, but won't rust. Pre-punched holes for mounting as the strong warning that every ham shack deserves.

\$23.09 at [Amazon.com](#)



24'' Diameter Moving Gear Wall Clock

From the brand B-Style TB Store, this unique clock is available in 8 finishes. Moving gears make a relaxing sound, lending a calming element to any room. This affordable art piece is constructed of Wood along with resin that looks like metal, but won't rust or add excess weight to your wall. Brown finish as shown is **\$119.99** at [Amazon.com](#)



HOLIDAY GIFT IDEAS & BUYING GUIDE *continued*

VEHICLE MAGNETS



Ham Radio Prep Brand Magnets for Cars and Trucks

Made right here in the USA. Top quality commercial grade magnet material (not the lightweight junk). Sold in PAIRS - Your order includes TWO 5" X 20" Rectangular Magnets or TWO 11" Round Magnets.

7 designs (below) to choose from, sets of 2 available for \$31.99 at HamRadioPrep.com



White Background
Skywarn / NWS
Severe Weather Spotter



ARES Logo with personalized Call Sign



Yellow Background
Skywarn / Official
Storm Spotter



Amateur Radio
Emergency Service



RACES
Classic Logo



MARS
Classic Logo



National
Weather Service



Ham Radio Prep Emergency Communications Magnet for Cars and Trucks



Made here in the USA from top quality commercial grade magnet material and vinyl.

Sold Individually, this Heavy-Duty Magnet identifies your vehicle as designated Emergency Communications.

Magnet is 21" X 5.8". Choice of Red or Blue. **ORDER TWO** if you'd like one for each side of your vehicle.



Each Magnet is **\$21.99** at HamRadioPrep.com

Continued on Page 16



HOLIDAY GIFT IDEAS & BUYING GUIDE *continued*

APPAREL



"Text Me" CW Keyer Tee
4 Colors
Men's Sizes S-6XL
Women's Sizes S-6XL

All Sizes **\$17.49** at [Amazon.com](https://www.amazon.com)

Generic brand "HAM RADIO Operator" Vintage-look Hats
100% Cotton, One Size with adjustable back buckle 7 Colors

\$10.99 each (with shipping) at [Amazon.com](https://www.amazon.com)



Modena brand Stars &
Stripes knit hats
\$20.00 at [Amazon.com](https://www.amazon.com)



Sweatshirt from Patriotic Amateur
Radio Designs Company, in navy blue
5 Colors: black, navy blue, royal blue, dark
heather grey, heather grey. Sizes S-2XL

All Sizes **\$33.99** at [Amazon.com](https://www.amazon.com)

Amateur Radio
Christmas Party
Sweatshirt
3 Colors, S-2XL
\$31.99 at
[Amazon.com](https://www.amazon.com)



Toolant brand
insulated waterproof
winter work gloves
Sizes S-2XL
Blue, Grey, Orange
\$19.99 at [Amazon.com](https://www.amazon.com)



Modena
Stars & Stripes Scarf,
\$24.00 at [Amazon.com](https://www.amazon.com)



Ham Radio Antennas Collection
Long Sleeve Tee
Black or Dark Heather Grey
Sizes S-2XL
All sizes **\$22.99** at [Amazon.com](https://www.amazon.com)



Ham Radio Operator Christmas
Tree Long Sleeve Tee
Black or Navy
Sizes S-2XL
All sizes **\$21.99** at [Amazon.com](https://www.amazon.com)



"Ham Radio It's A Contact Sport"
BBQ Apron by Generic Brand
\$14.99 at [Amazon.com](https://www.amazon.com)

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HOLIDAY GIFT IDEAS & BUYING GUIDE *continued*

More APPAREL



Amateur Radio Operator Apparel brand hoodie sweatshirt shown in sage green.

7 Colors Unisex sizes S-2XL
All Sizes \$31.99 at [Amazon.com](https://www.amazon.com)



Best Regards "73" Hoodie Sweatshirt
from Ham Radio Prep Brand
Black or Team Royal, Unisex sizes S-3XL
All sizes \$39.99 at [Hamradioprep.com](https://www.hamradioprep.com)



RC Amateur Radio Apparel brand hoodie
hoodie sweatshirt shown in navy blue.

5 Colors Unisex sizes S-2XL
All Sizes \$29.99 at [Amazon.com](https://www.amazon.com)



Original Social Network Sweatshirt
from Burke & Bunny Hobbyist brand
shown in Royal Blue
3 Colors Unisex sizes S-2XL
All Sizes \$33.99 at [Amazon.com](https://www.amazon.com)



Best Ham Radio Operator Gift brand
Men's Tee, S-6XL in 23 colors
Women's Tee, S-4XL 24 colors
All Sizes \$18.99 at [Amazon.com](https://www.amazon.com)

Ham Radio
Bucket Hat from
Generic brand
Black, Grey, Navy
\$10.99 at
[Amazon.com](https://www.amazon.com)



"God Says I Am" Tee
from Christian Ham Radio Lover brand
11 Colors
Men's S-6XL
Women's S-3XL
Youth: various sizes
All Sizes \$19.99 at [Amazon.com](https://www.amazon.com)



Ham Radio Operator Skull Cap
from Generic brand
6 colors; navy blue shown
\$10.99 at [Amazon.com](https://www.amazon.com)



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HOLIDAY GIFT IDEAS & BUYING GUIDE *continued*

Accessories



The Begali Simplex-PD CW Paddle

The premium iambic (dual-lever) CW paddle renowned for blending high-precision engineering with elegant design, crafted by Begali Engineering in Italy.

For serious CW operators who demand smooth, responsive keying for high-speed sending (up to 50+ WPM) in the shack. Weighing 3+ lbs with a heavy palladium-plated base, providing exceptional stability while the light-weight alloy arms ensure minimal inertia for effortless operation. An affordable entry into Begali's lineup, the Simplex uses traditional spring return for a tactile feel, distinguishing it from magnetic models. A lifetime investment for contesters, DXers, or anyone upgrading from plastic paddles.

\$250.99 at DXEngineering.com

Drinkware



"I'd Rather be DXing"
Stemless Wine Glass \$18.95

"I Think Therefor I Ham"
Beer Mug \$29.95

From [RealPeopleGoods](#) brand
Both available at [Amazon.com](#)

"Veteran Soldier Hero"
from Limima brand
17 oz stainless steel tumbler.
Front: Flag design
Back: Veteran facts design
Sold individually
\$28.99 at [Amazon.com](#)



"I'm Radio Active" 20 oz Insulated Cup with Lid
Front: Add your name or call sign
Back: Ham Radio Knowledge graphic
Sold individually by [So Many Pets](#) brand
\$14.99 at [Amazon.com](#)



"The Original Texting" Mug
11 oz by Morse Code SteMi
\$16.99 at [Amazon.com](#)



Morse Code Mug
11 oz by Morse Code SteMi, 7 colors
\$16.99 at [Amazon.com](#)



"Orange Ranger" CW Mug
11 oz by Morse Code SteMi, 7 colors
\$17.00 at [Amazon.com](#)

Continued on Page 19



HOLIDAY GIFT IDEAS & BUYING GUIDE *continued*

MORE FUN GIFT IDEAS ...



Leather-lined Wood Valet Tray

Shinpuru Brand Wooden Valet Tray with Leather Inlay. A stylish storage solution for nightstand, desk, kitchen counter, living room end table — anywhere that miscellaneous items tend to gather!

11.7"D x 7.9"W x 0.78"H

\$24.95 at Amazon.com

Morse Code Key Chain by Davis Industries Brand

Super cool two-side Alpha Numeric reference chart for CW! Perfect to add to a neck chain or key ring as desired. **\$12.99 at Amazon.com**

RAK Magnetic 5-Piece Pick up Tool Set

The top seller of the season, this set includes 3 telescoping magnetic pickup tools with different suction strengths to retrieve anything from heavy bolts to tiny screws.

Round & Square 360° Inspection mirrors: Full inspection mirror set with swivel mirrors that provide clear visibility at hard-to-reach angles.

3 tools with built-in flexible LED lights: 360° Inspection mirror, bendable LED flashlight, and telescoping pickup tools with magnetic head. Aluminum alloy telescoping handles extend up to 35 inches for extra reach

\$33.99 at Amazon.com



Midland ER310 Pro

Portable Emergency Bluetooth Weather AM/FM Radio with 10,000 mAh Power Bank

>POWER BANK CHARGES EXTERNAL DEVICES - 200 hours of battery during radio use. Listen to music with Bluetooth streaming, and quickly charge your portable devices (cell phones, tablets, etc.) in emergencies use using the USB charging cable (included).

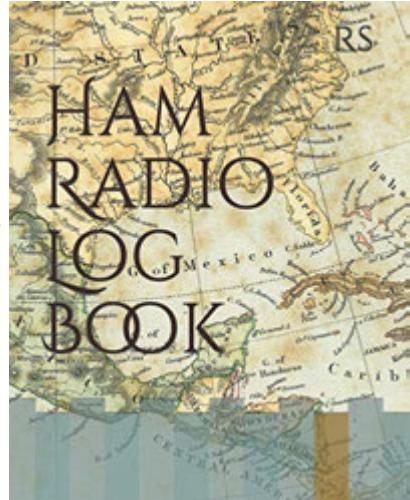
>MULTIPLE, SUSTAINABLE POWER SOURCES: SOLAR PANEL - Simply recharge the internal lithium-ion battery with direct sunlight. HAND CRANK - Recharge the radio during a power outage or anytime away from a power source.

>BLUETOOTH STREAMING - Everyday utility meets emergency functionality with the ER310PRO. Connect to your phone with Bluetooth and listen to your favorite music while you wait out the storm, camp, spend time outdoors or anytime on the go.

>NOAA WEATHER SCAN + ALERT - NOAA Weather Scan will automatically scan through 7 available weather (WX) band channels and locks onto the strongest weather channel to alert you of severe weather updates.

>EMERGENCY FLASHLIGHT & RESCUE DOG SIREN - The SOS FLASHLIGHT BEACON flashes Morse code and the Bright CREE LED (130 Lumens) can be used to signal for help. The siren assists search and rescue teams in locating individuals. Outstanding emergency radio and "worth every penny". We hear the irony now that the penny is no longer minted, but you know what we mean...

\$99.99 at Amazon.com



Ham Radio Log Book by Vintage Ham Operators

Simple and classic paperback log book to record all the details of your contact: Start & End time, Frequency, Station Contacted, Signal report, Contact's Location, Additional Notes. 8"X10" Old World Map Design

\$9.99 at Amazon.com

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HOLIDAY GIFT IDEAS & BUYING GUIDE *continued*

PUZZLES & GAMES



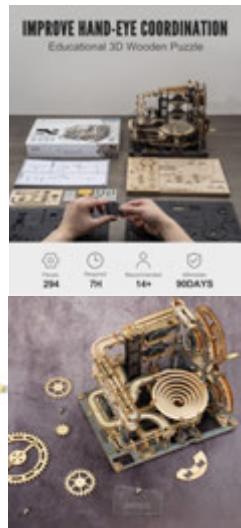
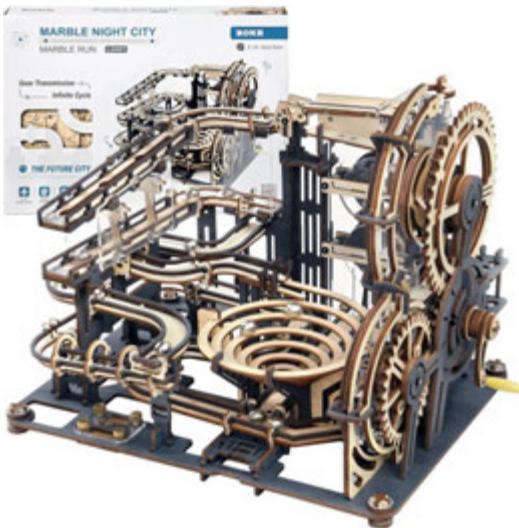
Gift Set!

SECOGM "Artistic Fox Wood Jigsaw Puzzle

This beautiful gift-boxed puzzle is available in 3 sizes:

100-piece 8.4" X 6.6" - \$15.99
200-piece 11.4" X 11.4" - \$24.99
300-piece 13.3" X 11" - \$33.99

[Available at Amazon.com](#)



Memory Matching Game from Aberlls Store

A Colorful and Compact 10.4" X 8.3" Memory Matching game set for children 3 – 8 years. Wood base with 6 interchangeable double-sided game cards. 12 fun categories, including fruit, colors, shapes, alphabet, numbers, farm, sea world, zoo, vehicles, sports, Halloween, & Christmas.

[\\$18.99 at Amazon.com](#)

Balance the Cat Wooden Game by Gigglescape

23-Piece Stacking Toy with Fish Base, 20 Colorful Cats, Wooden Die & Storage Bag – Fine Motor Skill Builder – Ages 3+

[\\$27.99 at Amazon.com](#)



ROKR 3D Mechanical Wooden Puzzle for Adults Marble Run Building Kit - LGA01 Marble Night City

□ Build a wooden marble run with 294 pieces and 10 marbles at your own pace. End result is really cool! A crank uses large gears to move marbles up to the top of your machine where they cascade down into various channels.

□ Unique black-grey appearance with metal nameplate and acrylic pieces makes the finished marble run visually appealing and enhances the marbles being seen in action.

□ Detailed pictures makes parts easy to identify and the instruction clear. A spare parts sheet is included, in the event critical pieces are broken during assembly.

TOP SELLER! \$56.99 at Amazon.com

Continued on Page 21



HOLIDAY GIFT IDEAS & BUYING GUIDE *continued*

PUZZLES & GAMES



DIY Electric Robot Kits from 2Pepers Brand

4 Robot Projects for Kids ages 8+! Make a Bubble machine, Graffiti doodling robot, Robotic car and Funny bicycle. An enjoyable learning experience and great satisfaction as kids build their own electric motor kit!

\$29.99 at [Amazon.com](https://www.amazon.com)



Wooden Jigsaw Puzzle for Adults from LEOGOR

Sea Turtle design is extra-thick 5mm wood. 3 sizes:

200-piece 16" X 10.4" at \$22.99

350-piece 21.1" X 13.7" at \$30.99

500-piece 25.2" X 16.4" at \$39.99

Gorgeous wooden gift box included, at [Amazon.com](https://www.amazon.com)

7-in-1 Wooden Board Game Set by Juegoal

Crafted from high-quality wood, this set includes Chess, Checkers, Backgammon, Chinese Checkers, Parcheesi, Snakes and Ladders, and Tic Tac Toe. 3 slide-out boards of 2 games each. A variety of games to keep your family engaged and entertained. Size: 11.5"X11.5"X 2.75"

\$35.99 at [Amazon.com](https://www.amazon.com)



SereneLife 38" Table Top Air Hockey and 40" Foosball Set

- 2-IN-1 SWIVEL GAME TABLE - Easily switch between 38" air hockey and 40" foosball with our innovative swivel design, providing double the fun in one compact table.
- PREMIUM AND STABLE DESIGN - Crafted from high-end MDF and weather-resistant materials, this table features chrome-plated hollow steel rods, height-adjustable feet with leg levelers, and a sturdy locking system for perfect balance and durability on any surface.

\$129.99 at [Amazon.com](https://www.amazon.com)

Continued on Page 22



HOLIDAY GIFT IDEAS & BUYING GUIDE *continued*

ACTIVITIES & GAMES



National Parks Trivia Game by Underdog Games

From the Creators of the Trekking the National Parks. Special-
ly designed so anyone can play. Even if you know nothing
about the national parks, you can play, learn, and win! 600+
Questions - Challenge your family and friends to a clever
game of guesstimation with both text and image questions.
Back again, it's the perfect present for anyone who loves na-
ture, the outdoors, and our beautiful public lands.

\$25.00 at Amazon.com



Kid's First Binoculars

These childrens' binocu-
lars are HIGH QUALITY and
fully functional 8x21
binoculars designed espe-
cially for kids! Roof prism
construction and lens
coatings are the same as
best-selling professional
grade Nootix adult binocu-
lars.

Great for kids exploring
their own back yard,
camping, hiking, or sport-
ing events. Includes bird
identification sticker book
for hours of fun!

\$24.99 at Amazon.com



National Geographic Break Open 10 Geodes

DISCOVER CRYSTAL TREASURE - Break open these rocks to
reveal amazing crystals inside! Geology doesn't get more ex-
citing than opening rocks and finding crystal treasures. This
great STEM activity makes an excellent gift for girls and boys!

\$31.99 at Amazon.com



Durable Kids Walkie Talkie 4-pack by Inspireeyes Brand

Inspireeyes kids walkie talkies are long lasting with USB type
C charging, 48 hours continuous use and 7 days on standby.
Lightweight and easy to hold, push-to-talk communication
with clear sound and long range capability. 22 channels and
work up to 3 miles in open areas. Also features hands-free
VOX function, a plus when riding bikes or climbing.

\$39.99 at Amazon.com



HOLIDAY GIFT IDEAS & BUYING GUIDE *continued*

PETS



LE SURE Cat Cave Bed

2 in 1 Cat Cave Bed (also for Puppy & Small Dog) in ultra plush Sherpa with removable washable cushion. 4 colors/patterns available, in 2 sizes. 16"X16"X16" for small cats & kittens, **\$25.49**; 17.3"X17.3"X17.3" for cats & small dogs, **\$34.99**.

Available at [Amazon.com](#)



FurHaven Orthopedic Dog Bed

26" Round Bed with removable, washable cover. For small to medium sized dogs up to 30 lbs. Grey - Medium size as shown is **\$29.99**; Large and Jumbo sizes \$60 and up.

Available at [Amazon.com](#)



TBTeek Green Light Cat Toy

7-in-1 Modes: Cat Toy Combines 3 Lighting Modes with 4 different pattern shapes, Scrolling gears to change patterns to attract pet interest (mouse, butterfly, star, dot, smile), sliding button to switch lighting modes: Green for cat exercise and playing, purple for Banknote Verification, white for mini flashlight.

USB Charging: Built-in USB plug, only unplug the back cover and plug into USB port. Charge fully in 20 mins (Recommended 5V 1A adapter) **\$12.99** at [Amazon.com](#)



Petsta 3 Way Treat Dispenser Pet Toy

Back again this year, dogs and cats love the puzzle game of Spin & Slide and Hike & Seek & with their sense of smell and paw skills to find food. Combining circular orbit sliding game and linear orbit sliding game, pets must move the slider correctly to get the food reward hidden in the maze. 10" X 10".

\$13.99 at [Amazon.com](#)



We hope you've enjoyed this Holiday Gift Ideas & Buying Guide! Have a Merry Christmas & Happy New Year! ★



Contest Calendar - December 2025

+ K1USN Slow Speed Test	0000Z-0100Z, Dec 1
+ ICWC Medium Speed Test	1300Z-1400Z, Dec 1
+ OK1WC Memorial (MWC)	1630Z-1729Z, Dec 1
+ ICWC Medium Speed Test	1900Z-2000Z, Dec 1
+ ARS Spartan Sprint	0100Z-0300Z, Dec 2
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Dec 2
+ ICWC Medium Speed Test	0300Z-0400Z, Dec 2
+ QRP Fox Hunt	0200Z-0330Z, Dec 3
+ Phone Weekly Test	0230Z-0300Z, Dec 3
+ A1Club AWT	1145Z-1300Z, Dec 3
+ CWops Test (CWT)	1300Z-1400Z, Dec 3
+ VHF-UHF FT8 Activity Contest	1700Z-2100Z, Dec 3
+ Mini-Test 40	1700Z-1759Z, Dec 3
+ Mini-Test 80	1800Z-1859Z, Dec 3
+ CWops Test (CWT)	1900Z-2000Z, Dec 3
+ QRP ARCI Topband Sprint	0000Z-0300Z, Dec 4
+ Walk for the Bacon QRP Contest	0000Z-0100Z, Dec 4 and 0200Z-0300Z, Dec 5
+ CWops Test (CWT)	0300Z-0400Z, Dec 4
+ CWops Test (CWT)	0700Z-0800Z, Dec 4
	1800Z-1900Z, Dec 4 (CW) and
+ NRAU 10m Activity Contest	1900Z-2000Z, Dec 4 (SSB) and 2000Z-2100Z, Dec 4 (FM) and 2100Z-2200Z, Dec 4 (Dig)
+ SKCC Sprint Europe	2000Z-2200Z, Dec 4
+ NCCC FT4 Sprint	0100Z-0130Z, Dec 5

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Contest Calendar - December 2025

+ Weekly RTTY Test	0145Z-0215Z, Dec 5
+ QRP Fox Hunt	0200Z-0330Z, Dec 5
+ NCCC Sprint	0230Z-0300Z, Dec 5
+ K1USN Slow Speed Test	2000Z-2100Z, Dec 5
+ ARRL 160-Meter Contest	2200Z, Dec 5 to 1600Z, Dec 7
+ Kalbar Contest	0000Z, Dec 6 to 2359Z, Dec 7
	0600Z-0629Z, Dec 6 and
+ Wake-Up! QRP Sprint	0630Z-0659Z, Dec 6 and
	0700Z-0729Z, Dec 6 and
	0730Z-0800Z, Dec 6
+ PRO CW Contest	1200Z, Dec 6 to 1159Z, Dec 7
+ INORC Contest	1400Z, Dec 6 to 1359Z, Dec 7
+ FT Challenge	1800Z, Dec 6 to 2359Z, Dec 7
+ K1USN Slow Speed Test	0000Z-0100Z, Dec 8
+ ICWC Medium Speed Test	1300Z-1400Z, Dec 8
+ OK1WC Memorial (MWC)	1630Z-1729Z, Dec 8
+ ICWC Medium Speed Test	1900Z-2000Z, Dec 8
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Dec 9
+ ICWC Medium Speed Test	0300Z-0400Z, Dec 9
+ DARC CW-Training Contest	1800Z-1859Z, Dec 9
+ NAQCC CW Sprint	0130Z-0330Z, Dec 10
+ QRP Fox Hunt	0200Z-0330Z, Dec 10
+ Phone Weekly Test	0230Z-0300Z, Dec 10
+ A1Club AWT	1145Z-1300Z, Dec 10
+ CWops Test (CWT)	1300Z-1400Z, Dec 10
+ VHF-UHF FT8 Activity Contest	1700Z-2100Z, Dec 10

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Contest Calendar - December 2025

+ Mini-Test 40	1700Z-1759Z, Dec 10
+ Mini-Test 80	1800Z-1859Z, Dec 10
+ CWops Test (CWT)	1900Z-2000Z, Dec 10
+ CWops Test (CWT)	0300Z-0400Z, Dec 11
+ CWops Test (CWT)	0700Z-0800Z, Dec 11
+ NCCC FT4 Sprint	0100Z-0130Z, Dec 12
+ Weekly RTTY Test	0145Z-0215Z, Dec 12
+ QRP Fox Hunt	0200Z-0330Z, Dec 12
+ NCCC Sprint	0230Z-0300Z, Dec 12
+ K1USN Slow Speed Test	2000Z-2100Z, Dec 12
+ ARRL 10-Meter Contest	0000Z, Dec 13 to 2400Z, Dec 14
+ PODXS 070 Club Triple Play Low Band Sprint	0000Z, Dec 13 to 2359Z, Dec 15
+ TRC Digi Contest	0600Z, Dec 13 to 1800Z, Dec 14
+ SKCC Weekend Sprintathon	1200Z, Dec 13 to 2400Z, Dec 14
+ ARI 40/80 Contest	1300Z, Dec 13 to 1259Z, Dec 14
+ International Naval Contest	1600Z, Dec 13 to 1559Z, Dec 14
+ QRP ARCI Holiday Spirits Sprint	2000Z-2300Z, Dec 14
+ K1USN Slow Speed Test	0000Z-0100Z, Dec 15
+ 4 States QRP Group Second Sunday Sprint	0100Z-0300Z, Dec 15
+ ICWC Medium Speed Test	1300Z-1400Z, Dec 15
+ OK1WC Memorial (MWC)	1630Z-1729Z, Dec 15
+ ICWC Medium Speed Test	1900Z-2000Z, Dec 15
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Dec 16
+ ICWC Medium Speed Test	0300Z-0400Z, Dec 16
+ NAQCC CW Sprint	0130Z-0330Z, Dec 17
+ QRP Fox Hunt	0200Z-0330Z, Dec 17

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Contest Calendar - December 2025

+ Phone Weekly Test	0230Z-0300Z, Dec 17
+ A1Club AWT	1145Z-1300Z, Dec 17
+ CWops Test (CWT)	1300Z-1400Z, Dec 17
+ VHF-UHF FT8 Activity Contest	1700Z-2100Z, Dec 17
+ Mini-Test 40	1700Z-1759Z, Dec 17
+ Mini-Test 80	1800Z-1859Z, Dec 17
+ CWops Test (CWT)	1900Z-2000Z, Dec 17
+ Walk for the Bacon QRP Contest	0000Z-0100Z, Dec 18 and 0200Z-0300Z, Dec 19
+ CWops Test (CWT)	0300Z-0400Z, Dec 18
+ CWops Test (CWT)	0700Z-0800Z, Dec 18
+ NTC QSO Party	1900Z-2000Z, Dec 18
+ NCCC FT4 Sprint	0100Z-0130Z, Dec 19
+ Weekly RTTY Test	0145Z-0215Z, Dec 19
+ QRP Fox Hunt	0200Z-0330Z, Dec 19
+ NCCC Sprint	0230Z-0300Z, Dec 19
+ AGB-Party Contest	1600Z-1700Z, Dec 19
+ K1USN Slow Speed Test	2000Z-2100Z, Dec 19
+ Feld Hell Sprint	0000Z-2359Z, Dec 20
+ OK DX RTTY Contest	0000Z-2400Z, Dec 20
+ RAC Winter Contest	0000Z-2359Z, Dec 20
+ Croatian DX Contest	1400Z, Dec 20 to 1400Z, Dec 21
+ ARRL Rookie Roundup, CW	1800Z-2359Z, Dec 21
+ Run for the Bacon QRP Contest	2300Z, Dec 21 to 0100Z, Dec 22
+ K1USN Slow Speed Test	0000Z-0100Z, Dec 22
+ ICWC Medium Speed Test	1300Z-1400Z, Dec 22

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Contest Calendar - December 2025

+ OK1WC Memorial (MWC)	1630Z-1729Z, Dec 22
+ ICWC Medium Speed Test	1900Z-2000Z, Dec 22
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Dec 23
+ ICWC Medium Speed Test	0300Z-0400Z, Dec 23
+ SKCC Sprint	0000Z-0200Z, Dec 24
+ QRP Fox Hunt	0200Z-0330Z, Dec 24
+ Phone Weekly Test	0230Z-0300Z, Dec 24
+ A1Club AWT	1145Z-1300Z, Dec 24
+ CWops Test (CWT)	1300Z-1400Z, Dec 24
+ Mini-Test 40	1700Z-1759Z, Dec 24
+ Mini-Test 80	1800Z-1859Z, Dec 24
+ CWops Test (CWT)	1900Z-2000Z, Dec 24
+ CWops Test (CWT)	0300Z-0400Z, Dec 25
+ CWops Test (CWT)	0700Z-0800Z, Dec 25
+ NCCC FT4 Sprint	0100Z-0130Z, Dec 26
+ Weekly RTTY Test	0145Z-0215Z, Dec 26
+ QRP Fox Hunt	0200Z-0330Z, Dec 26
+ NCCC Sprint	0230Z-0300Z, Dec 26
+ DARC Christmas Contest	0830Z-1059Z, Dec 26
+ K1USN Slow Speed Test	2000Z-2100Z, Dec 26
+ Stew Perry Topband Challenge	1500Z, Dec 27 to 1500Z, Dec 28
+ Original QRP Contest	1500Z, Dec 27 to 1500Z, Dec 28
+ RAEM Contest	0000Z-1159Z, Dec 28
+ K1USN Slow Speed Test	0000Z-0100Z, Dec 29
+ YOTA Contest	1000Z-2159Z, Dec 29
+ QCX Challenge	1300Z-1400Z, Dec 29
+ ICWC Medium Speed Test	1300Z-1400Z, Dec 29

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+ ICWC Medium Speed Test	1300Z-1400Z, Dec 29
+ OK1WC Memorial (MWC)	1630Z-1729Z, Dec 29
+ QCX Challenge	1900Z-2000Z, Dec 29
+ ICWC Medium Speed Test	1900Z-2000Z, Dec 29
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Dec 30
+ QCX Challenge	0300Z-0400Z, Dec 30
+ ICWC Medium Speed Test	0300Z-0400Z, Dec 30
+ QRP Fox Hunt	0200Z-0330Z, Dec 31
+ Phone Weekly Test	0230Z-0300Z, Dec 31
+ Bogor Old and New Contest	0900Z-2359Z, Dec 31
+ A1Club AWT	1145Z-1300Z, Dec 31
+ CWops Test (CWT)	1300Z-1400Z, Dec 31
+ Mini-Test 40	1700Z-1759Z, Dec 31
+ Mini-Test 80	1800Z-1859Z, Dec 31

Our thanks to Bruce Horn, WA7BNM for use of this calendar!
Visit Bruce at www.contestcalendar.com/contestcal.html

The ARAC RELAY



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