



This Month's News:

The January 14th meeting was held on Zoom where Tim Duffy K3LR from DX Engineering presented "Grounding and Bonding".



Our next club meeting is scheduled for February 11th at the Dudley House where Paul Strauss WD6BY will present the latest update on the Ventura County Repeater System and how it supports our club and the entire Ventura County emergency communications network.

We have several important K6MEP committees that need your help! Please review the President's Message column for more information.

The Inside Story

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January 14 Zoom Club Meeting Presentation

Message from the President

The Prez Sez,

As I mentioned in our groups.io recently, WaveTalkers (<http://wavetalkers.com/>) is offering courses in several ham radio-related subjects as well as videos of the various features of Winlink functionality. For those of us who are involved in emergency communications, we have learned that Winlink (<https://winlink.org/>) has been updated to collect status reports about many different issues (known as Data Mapping). These situational awareness questions can be as simple as “Is your power grid functioning or out?” and “Do you have cellphone service or not, etc.?” These sit reps or situation reports are available in the Shares folder and help create a common operating picture. This helps the agencies to triage the reports and set the response priorities. By addition to the standard forms of a text box, the emergency communications operator can create many different forms and save them under a separate name (e.g. Earthquake Report.txt). WaveTalkers also offer “Ham Radio Exam Prep” course. If you are interested in using the mapping abilities of Winlink, please watch a few of the videos and send any questions to <http://chrismattia.com/#contact-1>.

We still have several important club offices open and need members to step up and volunteer. The following positions are open: Program chairperson. We would like a member to review the member’s topic requests (as listed in the membership application/renewal) and arrange to have a guest speaker (could be a Zoom-based presentation) scheduled for our meetings. We have speakers scheduled for January, February and March, 2022.

(Continued on Next Page)

Club Offices	And Keyer	Contributors
President	Robert Shank	KM6RSS
Vice-President	Clem Alberts	KM6OKZ
Secretary	Phil Cohen	WA6BUZ
Treasurer	John Gartman	W6JPG
Board Member	Steve Noll	WA6EJO
Board Member	Dave Schmidt	AI6VX
Board Member	Mark Swaney	KD6ASL
Program Manager	Open	Please volunteer
Equipment Mgr.	Denney Pistole	N6HV
Refreshments	Linda Shank	
Facilities	Richard Abbey	WB6AEW
Keyer Editor	Robert Shank	KM6RSS
Webmaster	Robert Shank	KM6RSS
Domain	Phil Cohen	WA6BUZ
Membership	Open	Please volunteer
License Trustee	Dave Schmidt	AI6VX
Monday Night Net	Open	Please volunteer
QSL Manager	Ben Holmes	K6QV
Safety Officer	Mark Vodon	KI6PTE
PIO/Trivia	Dana Wentling	KG6WXE
Columnist	Reese West	KQ6TT
Columnist	Orv Beach	W6BI

The KEYER is published monthly by K6MEP, the Ventura County Amateur Radio Club, Inc. as a means of providing club members the minutes from K6MEP’s monthly general membership meetings, the monthly board of directors’ meetings, a calendar of events and articles of interest about amateur radio. Layout and logos are the property of The Ventura County Amateur Radio Club, K6MEP.

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Submit material by email to KM6RSS@gmail.com. Our club mailing address is:

K6MEP
PO Box 2103
Oxnard, CA 93034-2103

K6MEP holds general membership meetings at 7:00 PM on the 2nd Friday of each month (except December). Dues are \$20 per year.

Message from the President (Continued)

Membership chairperson. This person works with our Secretary to contact area hams (sometimes using emails sent to our K6MEP website, our Monday Night Net, Facebook, MeWe or other methods) and invite them to our club meetings and other activities.

Monday Night Net Control Operator Scheduler. We had good success with last year's Monday Night Net being run by members of the club as net control operators. By having volunteers as our net control operators, they have the opportunity to improve their "microphone skills" and learn more about our members and guests. I've created a schedule calendar on our groups.io website. The link is <https://groups.io/g/K6MEP/files/2022%20Monday%20Night%20Net%20Contest> It would be very helpful to have a member volunteer to become our scheduler and encourage everyone to sign up to be a net control operator for a few Mondays in 2022. Dave AI6VX has volunteered to take the first Monday night of every month. Tim KN6JGB has volunteered to take several nets throughout the year. We are also looking for someone to be a back-up operator in case the operator has problems with his/her rig. I've been preparing the script for every Monday night net that includes the next meeting's date and topic/presenter.

Picnics and Outings chairperson. We've held very successful picnics at the Dudley House and also had limited outings (due to health department regulations) at parks where we tested our rigs. It would be very helpful for a member to volunteer to help organize these activities.

Field Day chairperson (filled). Field Day will be here before you realize and we need to start a committee to plan the event. We've been holding Field Day at Oxnard College and should review other locations if they offer better communications possibilities. Getting the process started is very important. Our Vice-president Clement KM6OKZ has volunteered to coordinate this very important event.

DecemberFest chairperson. The process of making a list of restaurants that meet our selection criteria, polling our members to select the best restaurant and making the reservation, as well as acting as a go between with the restaurant and the membership is a very important club activity, even though it is only done once a year.



Thanks again for all that our members do to make our club meaningful and enjoyable!

73,
Robert Shank KM6RSS
President, VCARC

Minutes of the January 9th, 2022, VCARC Board Meeting

MEETING LOCATION: Zoom

(<https://us02web.zoom.us/j/81836622984?pwd=NlpJSFgvd3RVUUt5M2JRRGlacktaZz09>)

Meeting ID: 818 3662 2984)

BOARD ATTENDEES:

OFFICE	LAST	FIRST	CALL SIGN	PRESENT
PRESIDENT	SHANK	ROBERT	KM6RSS	Y
VP	ALBERTS	CLEMENT	KM6OKZ	Y
SECRETARY	COHEN	PHIL	WA6BUZ	N
TREASURER	GARTMAN	JOHN	W6JPG	Y
BOARD	NOLL	STEVE	WA6EJO	Y
BOARD	SCHMIDT	DAVE	A16VX	Y
BOARD	SWANEY	MARK	KD6ASL	Y

GENERAL MEMBER ATTENDEES: (Stewart Stone KG6BOV, Tim KN6JGB, Burt KA6BJA, Jeremy KN6JMD, Bruce KM6ZJK, Mark Vodon KI6PTE, Reese KQ6TT)

CALL TO ORDER 19:00

Open the meeting at 19:00 and there were 6 out of a possible 7 board members present.

Welcome all present and thank Phil WA6BUZ for becoming our acting secretary (who wasn't able to join the meeting)

Minutes:

- We now have 44 paid-up members.
- Read the minutes of the November 28th board meeting and asked for motion to approve and vote to accept. Motion to approve and vote passed.
- Referred to the document from the DecemberFest dinner meeting as published in the January Keyer as it wasn't a "regular" general membership meeting so no formal minutes were taken. No objections were made as to the content.

Officers Report:

- Treasurer: The totals for savings, checking and petty cash were announced.
- Discuss collection of 2022 dues status. We have 13 on our roster that haven't paid. Our bylaws state that they should be dropped from our roster after 90 days from October 31st. Let's use February 1st as the drop date but send an email out to each member asking for dues (WA6BUZ).

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Minutes of the January 9th, 2022, VCARC Board Meeting (continued)

Committee Reports:

- Members Health and Safety (Mark KI6PTE, Jeremy KN6JMD)
 - Board to decide on any changes to make for January's General Membership Meeting at Dudley House; indoor masking is still required, as it was last month. Omicron variant has been spiking in county. **Board (and visitors) discussed and board unanimously moved and passed only having a Zoom meeting.**
 - First Aid kits
 - First aid kits recommendations and costs update (Mark will address at next board meeting)
- Youth Committee (Tim KN6JGB) No new information.
- By Laws (Mark KD6ASL)
 - Update on member-recommended edits. Are they available to review and approve by the board tonight to be sent to the general membership within the required time to be presented at the general membership meeting in January for a vote? Mark will send out the latest amended bylaws via groups.io for the members to review prior to our next general meeting. Robert will call a special board meeting to ensure the board approves the bylaws as they have only had the format changed from what was approved for general membership vote last year.

Special Orders:

- Inventory (Denney N6HV)
 - Reimbursement request from Club Equipment Manager for last month's TRW expenses (December swap meet not attended)
 - Report from Denney on items sold and amount collected (none)
 - Latest Donations (from Christopher). Denney will photograph and list the items so that the webmaster (Robert) will be able to post them on our website as well as the bored net spreadsheet.

Unfinished Business:

- Accounting Process Discussion (John W6JPG) (tabled until next board meeting)
Status report on review of VCCU categories and assignment of transactions to those categories
- Income sources and fixed and variable expenses
- Reports to determine amount of budgeted categories

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Minutes of the January 9th, 2022, VCARC Board Meeting (continued)

New Business:

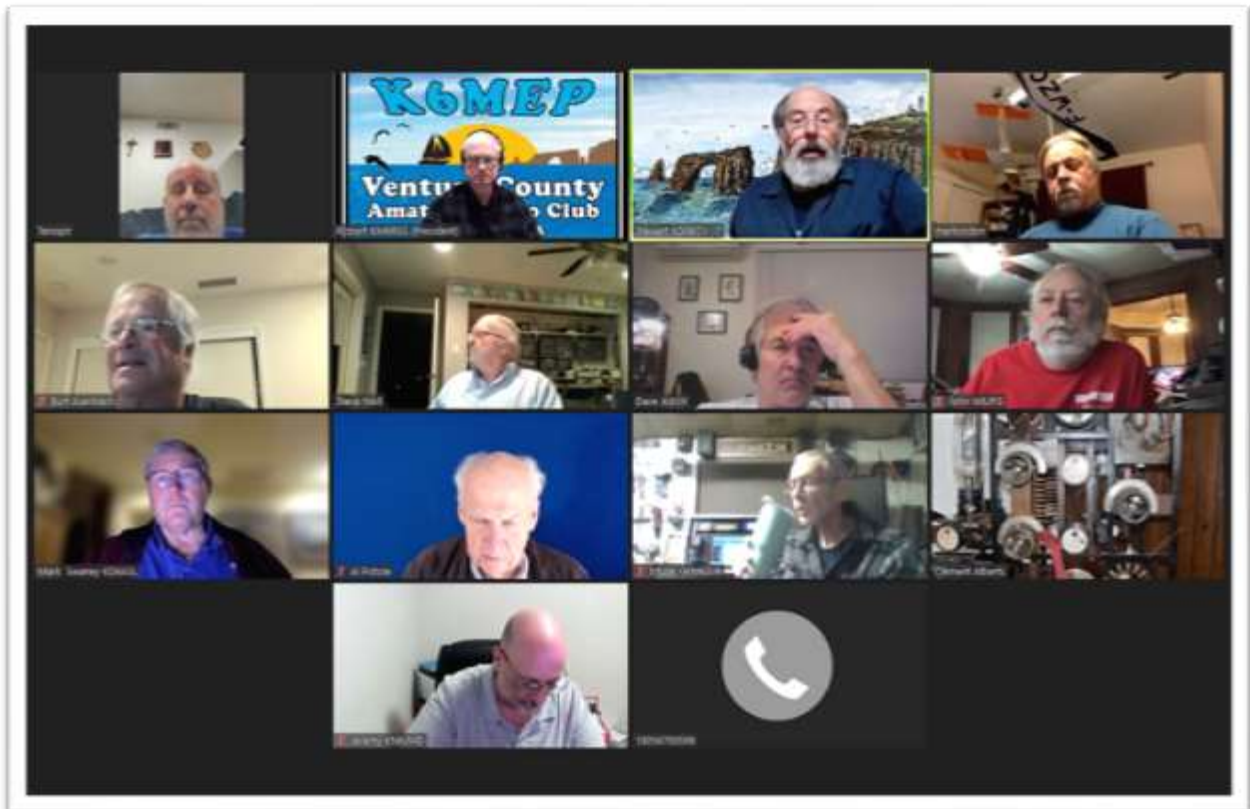
- Donation process (submitted by Steve WA6EJO).
 - Steve discussed the February donation of \$1,000 to PVTAC and suggested that all donations be approved by the general membership during a regularly-scheduled meeting. He also suggested that renting the Dudley House outdoor facilities should be at a price that is agreed to by the club and the Dudley House board.
- Election for Secretary (If Phil chooses not to remain for the full term) (tabled as Phil didn't attend the board meeting).
- Need to set a date and discuss election process (all attending were asked to submit a recommendation for our secretary)
- Consider establishing a Santa Barbara section chairperson to interface with John Kitchens, Section Manager and an ACS/ARES chairperson to interface with Rob Hanson W6RH, Ventura County Radio Officer (Mark Swaney will create a list of duties for this assignment)
- Program
 - Need a program chairperson (discussed and everyone acknowledged that we need this position)
- Membership
 - Need a membership chairperson(discussed and everyone acknowledged that we need this position)
- Monday Night Net
- Poor response to initial sign-up for net control operator/alternate other than Dave AI6VX and Tim KN6JGB. The sign-up process was discussed and Robert will send out the sign-up sheet to all members again.
- Winter Field Day
 - Need to start a committee (discussed and everyone acknowledged that we need this position) although it is over for 2022.
- Picnic
 - Need to start a committee(discussed and everyone acknowledged that we need this position)
- Field Day
 - Need to start a committee(discussed and everyone acknowledged that we need this position)
- DecemberFest
 - Need to start a committee(discussed and everyone acknowledged that we need this position)

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Minutes of the January 9th, 2022, VCARC Board Meeting (continued)

- Field Day
 - Need to start a committee(discussed and everyone acknowledged that we need this position)
- DecemberFest
 - Need to start a committee(discussed and everyone acknowledged that we need this position)
- Announcements:
 - The January 14th K6MEP club meeting is scheduled to be held on Zoom and Tim Duffy K3LR from DX Engineering will present “Grounding and Bonding” via Zoom. Robert will send out the change from our normally scheduled face-to-face meeting to Zoom-only via groups.io.
- Adjournment:
 - Meeting adjourned at 20:28 hours

Board Meeting Members and Guests on Zoom



Minutes of the January 14th, 2022 General Membership Meeting

GENERAL MEMBERSHIP MEETING (19:00)

MEETING Location: Zoom

ATTENDANCE: There were 23 attending via Zoom. 17 were members and 5 were visitors.

CALL TO ORDER (AT 19:00)

Robert welcomed and thanked all who attended

- Robert asked if there were any new members present to be recognized since our last meeting.

Presentation (Started at approximately 19:15)

- Introduced tonight's speakers: Tim Duffy K3LR who will present the topic "Grounding and Bonding"

- Tonight's speaker is Tim Duffy K3LR:

Tim has been an active amateur radio operator for 48 years – starting as WN3SZX in 1972. He has hosted 145 different operators from around the world as part of the K3LR Multi operator radio sport contest efforts since 1992. Tim has built a 13 tower station with 11 operating positions. He was the ARRL Atlantic Division Technical Achievement award winner in 1998. Tim has been the moderator of the Hamvention Antenna forum for 35 years. K3LR serves as chairman of Contest University (14 years), the Dayton Contest Dinner (28 years), chairman of the Top Band Dinner – as well as coordinator of the Contest Super Suite (35 years) in Dayton during the yearly Hamvention. He is founder and moderator of the popular RFI Reflector (RFI@contesting.com) since 1999. Tim serves on the board of directors of the World Wide Radio Operators Foundation (WWROF) as Chairman and is President Emeritus of the Radio Club of America (RCA). Tim is multiyear President of the Mercer County Amateur Radio Club (W3LIF). K3LR serves as a Director on the ARRL Foundation board. Tim was elected to the CQ Contest Hall of Fame in 2006. He was honored with the prestigious Barry Goldwater Amateur Radio service award by the RCA in 2010. Tim was honored in 2016 with the YASME Excellence award. K3LR was also honored as Hamvention Amateur of the Year in 2015 by the Dayton Amateur Radio Association. Tim is the Chief Executive Officer of DX Engineering. He is a graduate of the Pennsylvania State University.

- After Tim's presentation, several members and guests asked several questions. After the question period was over, Tim was thanked and Robert mentioned the DX Engineering website as well as the many topics that were on the website and in the DX Engineering newsletter.

Minutes:

- Robert read the minutes of the board meeting held on Sunday January 9th, 2022
- Robert referred to the document from the DecemberFest dinner meeting as published in the January Keyer, as it wasn't a "regular" general membership meeting so no formal minutes were taken.

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Minutes of the January 14th, 2022 General Membership Meeting (Continued)

Officer's Reports:

- Treasurer John W6JPG provided the status of the club's accounts, which were the same as in the Sunday January 9th 2022 board meeting minutes, previously read to the members.

Committee Reports

- Robert provided the status of the new K6MEP Monday Night Contest—2 weeks, 32 check-ins with 4 visitors and a 16 average.
- Denney N6HV presented the status of the club's inventory; he is continuing to take photos and hopes to have an update soon to be shared on the K6MEP website.
- Mark Vodon KI6PTE provided an update about the club's safety equipment needs.
 - a. There is a 30 minute CPR course at <https://www.ecprcertification.com/> that the membership might be interested in taking.
 - b. The first aid kit that Jeremy KN6JMD discussed at our previous Monday Night Net Contest Zoom meeting (\$350 on Amazon) can have an oxygen cylinder and mask added for \$150 and an AED added for \$570, according to Mark. So the cost for one unit runs from \$350, or \$500 with oxygen, or \$1070 for the complete set.
- Robert acknowledged that the recommended amendments of the Bylaws have been sent to all members for review and a vote to accept the changes will be taken at the February 11th, 2022 general membership meeting.

New Business:

- Tim KN6JGB spoke about the MARS program and the naval bases and asked if there were active ham radio clubs there. Stewart KG6BOV, told us about an incident that happened in the past to an antenna which closed down the program.
- The Dudley House's newsletter mentioned that their board was looking to install internet. Dave AI6VX and Richard WB6AEW will work together to offer assistance to this effort.

Announcements:

- Calendar: See groups.io or K6MEP for an updated Calendar
- VHF Contest This Weekend and Winter Field Day <https://www.winterfieldday.com/> Jan 29-30. Stewart Stone KG6BOV will send the club (via groups.io) his schedule including date, time and frequency so that our members can have a QSO with him.
- Robert reminded everyone about the club's next meeting date February 11 where Paul Strauss WD6EBY will discuss the Ventura County Repeater Status.

Adjournment:

- John W6JPG made a motion to adjourn and Dave AI6VX seconded it. The motion passed.
- The meeting adjourned at 20:59 hours.

K6MEP Monday Night Net Update Robert KM6RSS

Our new Monday Night Net Contest started Monday, January 3rd and will end on December 5th. To give those who are interested in the experience of being part of our Monday Night Net Contest as Control Operators, I've placed a sign-up spreadsheet on our groups.io website under files, 2022 Monday Night Net. We need back-up net controllers to sign up as well. Dave AI6VX signed up as primary net control for every first Monday of the month for the entire contest. Tim KN6JGB also signed up for several nets. If you would like to volunteer, please contact me with the date(s) you would like and whether you want to be the primary or the back-up net controller and I'll update the list, which is saved to our K6MEP.groups.io website

<https://groups.io/g/K6MEP/files/2022%20Monday%20Night%20Net%20Contest> .

Our Net is held each Monday night at 20:00 hrs. local time (we won't hold the net on Christmas Eve/Day or New Year's Eve/Day if they fall on a Monday). We welcome all Ham operators so please check-in and join the roundtable discussion. The net is on Two Meters on the WD6EBY Repeater of Oxnard on 145.200 MHz with a negative offset and a PL of 127.3. Many thanks to PVARC and Paul WD6EBY for hosting our meeting on the repeater. We also have a Zoom meeting during the net at 20:00; see the K6MEP.groups.io calendar for details.

The rules are as follows: The person who checks-in to the K6MEP Monday Night Net Contest must hold a valid Amateur Radio License. If a non-member wins, they will be given a two-year membership in the club. The awards consist of \$100.00 for first place, \$50.00 for second place and \$25.00 for third place. In case of ties, the awards will be split equally among the members who qualify for the monetary award.

Many thanks to all of our members who volunteered in 2021 and provided our net control operations as well as led our after-net Zoom meeting.

Below is the Monday Night Net Contest Totals. Our groups.io has all of the Monday Night Net Contest documents in the files folder.

Monday Night Net Contest Totals to Date			
Week #	Date	Total	Visitors
1	1/3/2022	15	2
2	1/10/2022	17	2
3	1/17/2022	14	1
4	1/24/2022	20	3
5	1/31/2022	19	1
Year to date		85	9

Thoughts from the West - Reese West KQ6TT

ANTENNA SELECTION

I have worked in a lot of different technical areas in electronics. The area with the most misinformation in advertising is definitely ham radio antennas. There are certain performance characteristics that cannot be gotten around. One of these is that the shorter the antenna, the narrower the useable bandwidth. A very short antenna, in general will have to be retuned as it is used across ham bands that are several percent wide. Why is that?

The radiated power varies as the square of the current. So if you double the current, you get four times the power. This comes from $\text{Power} = I^2 \cdot R$
In antennas you get an effect where if you double active length, you get four times the radiation resistance, R_r .
If you cut the length in half you get one fourth the radiation resistance, R_r .

If you double the length you get twice the inductive reactance X_l . If you cut the length in half, you get half the inductive reactance. The higher the quality factor, Q , the narrower the bandwidth, since
 $Q = X_l / R_r$

For a given X_l and R_r , if I cut the length in half, X_l is cut in half, and R_r is reduced by one fourth. Therefore, Q doubles and the bandwidth is cut in half. There is no way around this action. All short antennas will be controlled by these equations.

SELECTION OF AN ANTENNA

When buying or making an antenna, you want to know the size, efficiency, useable bandwidth, impedance, and radiation pattern. I recently watched a one hour presentation on a very short antenna. During that hour, there was no data presented on efficiency, bandwidth or impedance. I found it amazing that an hour could be consumed without real data being presented! I would not buy a car from a source like that. The paint may be perfect, and the seat comfortable, but there might not be an engine or wheels.

A couple of years ago, there was a lot of hype about a transmitting tower that did not fit any theory. Just remember that the connecting cable to the tower can also be involved in radiating power.



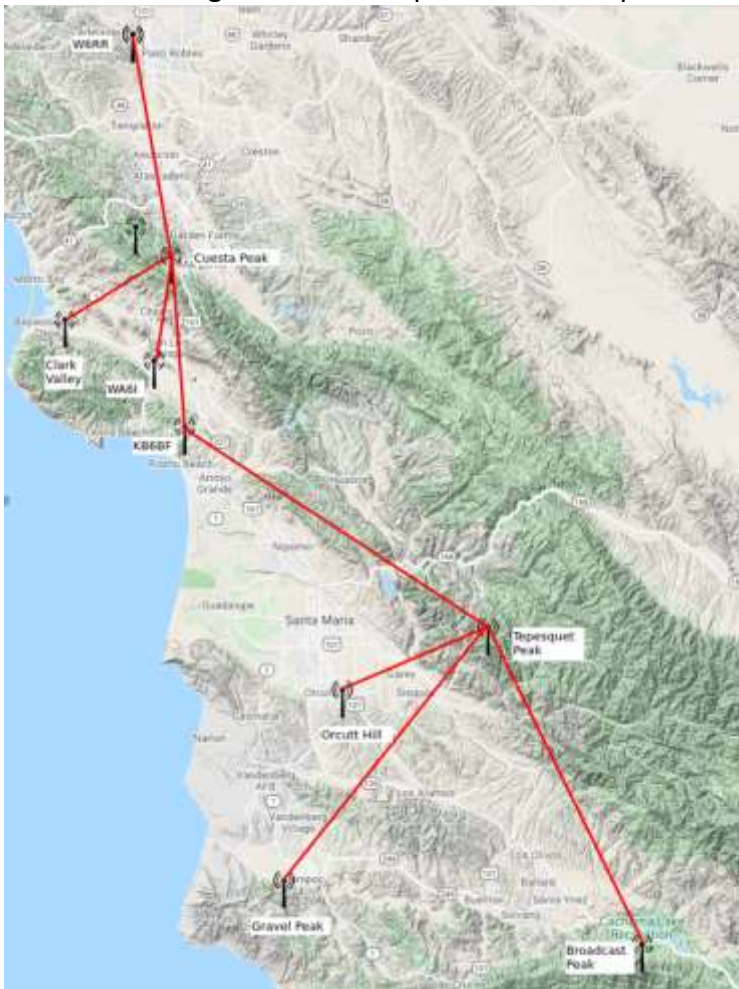
January 26, 2022
Laurice West KQ6TT

Ventura County MESH – Orv Beach W6BI

Our work on expanding the AREDN ham network in Southern California has slowed down substantially, as it's become harder to gain access to sites that provide the needed coverage. In Ventura County, we still have several areas that aren't covered yet but until sites become available to provide the needed coverage, I've turned my sights towards the west and north. Santa Barbara has a small network, but getting line of sight paths from Ventura County to Santa Barbara County and beyond has proved problematic.

So over the last few months I've been working with the hams on the Central Coast: CPARC (Cal Poly ARC), SARC (Satellite ARC), Estero ARC, and others to develop a plan to push out a network covering their area. They've responded enthusiastically and are gathering parts and funding. They hope to begin installation of hilltop nodes sometime in March.

Here's a drawing of the contemplated network path:

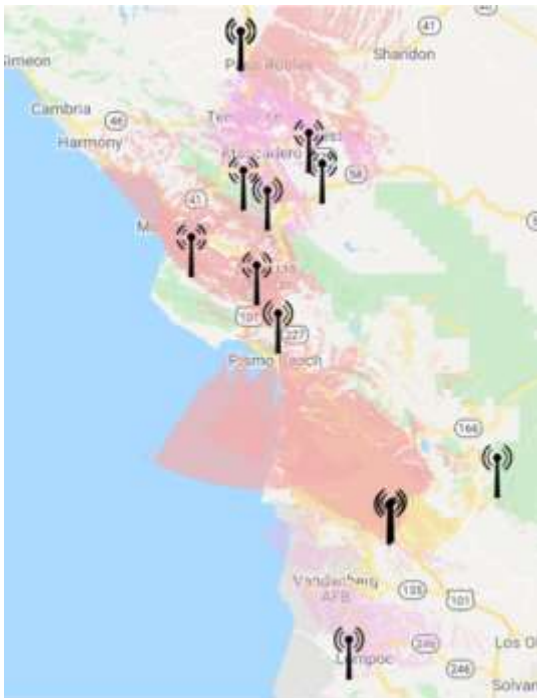


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Ventura County MESH – Orv Beach W6BI (Continued)

Here's a list of sites and their coverage areas, North to South:

- W6RR - Radio Ranch (35.6262, -120.7122) covers Paso Robles, Templeton , Asuncion and parts of Atascadero.
- WA6I's QTH (35.23379, -120.6805) covers the south half of SLO.
- KB6BF's QTH in Pismo Heights covers Pismo Beach, most of Arroyo Grande, Oceano, Bromela, Guadalupe, parts of Nipomo, most of Betteravia, and a small part of Santa Maria
- Tepesquet Peak covers Santa Maria
- Orcutt Hill covers Santa Maria, Betteravia, Guadalupe.
- Clark Valley covers Baywood-Los Osos, Los Osos, Morro Bay and route 1 north to the Abalone Farm.
- Gravel Peak covers Lompoc (northern three-quarters), Vandenberg Village, and Vandenberg SFB.



Here's a map of the estimated coverage areas:

I've also started discussing possible paths extending north from the Central Coast. The goal is to eventually link SoCal and the Bay Area :-)
Orv W6BI

Winter Field Day Reports from our Members

David Schmidt AI6VX Jan 29

Reminder that Winter Field Day is happening right now! Dust off those HF rigs and participate!
https://www.winterfieldday.com/_files/ugd/1c7085_0ef813621655469ca73adfb5427dcc35.pdf

I just spent a few hours answering calls, first on my Icom 7300, then my old Kenwood TS-430s, and now my Yaesu 891. The latter two radios I don't have much stick time on, so this was a great way for me to become more familiar using them.

Dave ai6vx

David Schmidt AI6VX via groups.io
to K6MEP

1:05 PM (46 minutes ago)

I had fun participating in Winter Field Day. As mention before, it gave me experience using my HF rigs I don't have much operational experience with. My FT-891 for example, a lot of the settings is buried in menus as it is a small radio. SSB RF power, mic gain, how to switch between USB and LSB (normally auto works, but some stations were set opposite) Also, since I don't do much HF voice, figuring out the mic processor helped get my signal out. Similarly with my Kenwood TS-430s - where to set the mic gain voice processor, fiddling with what little filters I had, and such. This rig I had repaired this past year, so WFD also served as a test for the rig.

In the end, pretty much anyone I could hear, I could work. Certainly didn't get out as far as I can with FT8 (which wasn't allowed for WFD), using my end fed half wave antenna cut for 80M. SWR was low enough that I could go straight out from my TS-430s or FT-891 and not have to tune it.

Good practice for Field Day in 2022.

Dave
ai6vx

John Gartman W6JPG via groups.io
to David, K6MEP

1:11 PM (41 minutes ago)

Dave,

I had a little fun with Winter Field Day, got about an hour last night as conditions were failing and a little more this morning as it was ending. Got a few on 20 and 40 using my IC 7300 only for voice. I was just getting into it and it was 11am.

John W6JPG (Continued on next page)

Winter Field Day Report from our Members (Continued)



Stuart Sheldon AG6AG via groups.io
to K6MEP

1:22 PM (29 minutes ago)

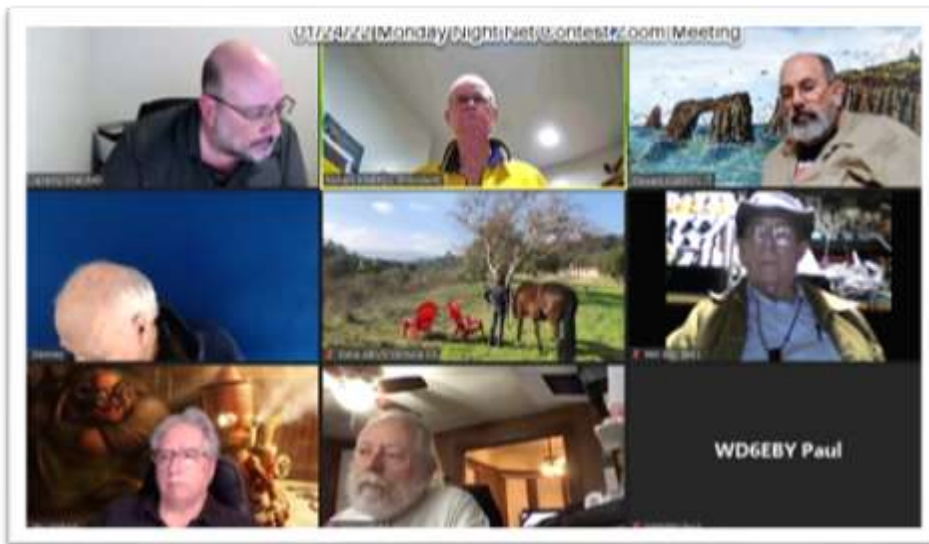
Hi Guys,

Worked about an hour and a half on 20 and 40. Used my FTdx3000 running phone. Logged 23 Qs.

Winter Field Day is not as popular as Field Day in June, but is a great way to get some Qs in the log.

Note on the 891... It was the HF only replacement for the FT-857 all band mobile that Yaesu had in production for years. I've never sat down at a 891, but do own the 857 and feel your pain regarding the location of controls for HF. Don't get me wrong, they are both great radios for field work, but you need to really dig into them and practice a little before each time you work with them as the skill memory seems to dissipate with time... *SMILE*

Stu
AG6AG



Trivia by Dana KG6WXE

DID YOU KNOW???

Men!!!

Never yell at a woman until you are married to her.

You then have to yell to be heard. Author unknown.



Elvis Presley never performed an encore show (when Presley was not the headliner). This started the famous line “Elvis has left the building”. Once he became a headliner, it was invariably followed by a polite "thank you, and good night".

The National Geographic Society (the organization of a society for the increase and diffusion of geographic knowledge) was formed in 1888 in Washington, D.C.



Dana
KG6WXE

K6MEP Monday Night Net Script (revised 01/16/22)

QST- QST- QST. This is ----(name) -----(call sign) , with the Ventura County Amateur Radio Club Net. If there is any station with EMERGENCY or PRIORITY Traffic that needs the immediate use of this frequency, please come now.

Hearing none, the following is a QST. This is ----(name) -----(call sign), tonight's net control station for the Ventura County Amateur Radio Club Net. If, at any time, during tonight's net, anyone needs this frequency for emergency or priority traffic, please call net control, and we will respond appropriately.

This is a directed net, open to all amateur radio operators and is sponsored by K6MEP, the call sign for VCARC. This net begins each Monday evening at 20:00 local time on the WD6EBY linked repeater system.

The primary frequency of this net is 145.200 MHz with a minus offset and a PL of 127.3 Hz. If the repeater should fail for any reason, we can use South Mtn. repeater on 146.385 MHz with a positive offset and a PL of 127.3 Hz as backup.

All amateurs are welcome to check in **after** the following announcements.

A roundtable will follow the check-ins. A rag chew session may follow the formal net. We will have a Zoom meeting following the net. Please check the K6MEP.org and/or our K6MEP.groups.io calendar for credential details.

At this time I will call on tonight's alternate net control station ----- (Name) ----- (Call) (Pause for alternate NC check in). If for any reason my station should become inoperable the alternate net control station will proceed with the net.

K6MEP, the Ventura County Amateur Radio Club, meets at 19:00 hours on the second Friday of each month at The Dudley House, 197 N Ashwood Ave, Ventura, CA. The club meeting will also be on Zoom. Our next meeting will be on Friday (date) (location) (presenter) (topic). We urge any non-members interested in the VCARC to contact us at K6MEP@qsl.net. Non-members interested in amateur radio are welcome to attend our meetings.

Our 2022 Contest starts on January 3rd and ends on December 5th. Make sure to set your calendar alarms to remind you to check-in and join the Zoom get-together that follows.

The rules are as follows: The person who checks-in to the K6MEP Monday Night Net Contest must hold a valid Amateur Radio License. If a non-member wins, they will be given a two-year membership in the club. The awards consist of \$100.00 for first place, \$50.00 for second place and \$25.00 for third place. In case of ties, the awards will be split equally among the members who qualify for the monetary award.

When you check-in, please give your call sign (phonetically), name and if you are a VCARC member. If you are not a member of the club, please include your QTH or location.

Please check in now.

(Check-ins completed or a lull in the check-ins): Hearing no other check-ins at this time, we will now begin with our Roundtable (Start with the first check-in and ask him/her about ham radio activities during last week, then move on to the next person). At every ten minute mark, identify with your first name, call sign and VCARC net.

Any last comments? ***** Any late, missed, or visitor check-ins?

Please check-in now.

Hearing no new check-ins, does anyone have anything else they would like to add to tonight's net?

Hearing none;

(Closing): This concludes the VCARC weekly net at ____ hours. Thank you for your interest and participation. Also thanks to Paul Strauss, WD6EBY, for the use of the repeater for our K6MEP net.

73, this is ----(name) -----(call sign), tonight's VCARC net control, signing off and returning the repeater to its normal use.

Selected Contests & Special Events

Please see QST or the ARRL website (www.arrl.org) for any details and QSL information.

Maty Weinberg, KB1EIB, events@arrl.org; www.arrl.org/special-event-stations

Special Event Stations

Working special event stations is an enjoyable way to help commemorate history. Many provide a special QSL card or certificate!

Feb. 5, 1200Z – 2000Z, W5O, Dade City, FL. Traveler's Rest Amateur Radio Club. **Traveler's Rest RV Resort and Golf Course 50th Anniversary**. 7.240 14.240. Certificate. K4TRR Anniversary, 29129 Johnston Rd. Lot 09-03, Dade City, FL 33523. k4trrinfo@gmail.com

Feb. 5, 1400Z – 2200Z, K5R, Rockwall, TX. Rockwall Amateur Radio Club. **Republic of Texas Central National Road**. 14.050 14.074 14.265; CW, FT-8, and SSB. QSL. Rockwall Amateur Radio Club, P.O. Box 1791, Rockwall, TX 75087. QSL card also available for download. sites.google.com/site/rarck5rkw

Feb. 5 – Feb. 13, 1500Z – 2300Z, W4HHH, Ellijay, GA. Ellijay Amateur Radio Society. **25th Anniversary**. 7.171 14.171. Certificate & QSL. Ellijay Amateur Radio Society, 78 N. Garrett Branch Rd., Ellijay, GA 30536. W4HHH will transmit on 10, 12, 15, 17, 20, 40, 80, and 160 meters off and on throughout the event. Certificate will indicate which of the several operators are contacted; participants can try for a clean sweep and contact all EARS operators. www.w4hhh.org

Feb. 7 – Feb. 14, 1200Z – 0600Z, W9L/K9L, Lerna, IL. National Trail Amateur Radio Club. **Abraham Lincoln's Birthday**. 7.250 14.250; all bands all modes. QSL. National Trail Amateur Radio Club, Attn.: Lincoln's Birthday, P.O. Box 903, Effingham, IL 62401. K9L will be managed by multiple club members running from home; W9L will only be used on location at the farm owned by President Lincoln's father and stepmother. www.nationaltrailarc.org

Feb. 7 – Feb. 20, 1000Z – 2100Z, W1G, Wheelwright, MA. GERATOL Worked All States Net. **50th Anniversary**. 3.668 during net time; 20- and 40-meter SSB. QSL. Kevin Lynch, P.O. Box 124, Wheelwright, MA 01094. www.geratol.net

Feb. 12, 1500Z – 2100Z, W0ARC, Washington, IA. Washington Area Amateur Radio Club, Inc. **Washington's Birthday**. 7.250 14.250. QSL. Mark Lukins, 802 N. 2nd Ave., Washington, IA 52353. www.waarc.net

Feb. 13 – Feb. 20, 0600Z – 0600Z, W9WCA, Junction City, WI. Wood County ARES/RACES. **Wisconsin SimCom 2022**. 3.970 7.250 14.250; Allstar 52770/EchoLink W9WCA-L. QSL. Wood County ARES/RACES, Attn: SimCom SES, 5421 Madison Cir., Wisconsin Rapids, WI 54494. kb9stb@gmail.com

Feb. 16 – Feb. 20, 0000Z – 2359Z, N4DAB, Daytona Beach, FL. Daytona Beach CERT Amateur Radio Team. **2022 Speedweek/Daytona 500**. 7.074 7.255 14.074 14.255. Certificate. Steve Szabo, WB4OMM, Trustee, 536 Central Park Blvd., Ponce Inlet, FL 32127. n4dab@n4dab.com or www.n4dab.com

Feb. 17, 1400Z – 1900Z, N4HLH, Sullivan's Island, SC. Trident Amateur Radio Club. **HL Hunley Commemoration and Special Event**. 7.262 14.262. QSL. QSL Manager, P.O. Box 60732, North Charleston, SC 29419. www.tridenthams.org/hl-hunley

Feb. 19, 1400Z – 2000Z, W1M, Russell, MA. Western Massachusetts Council, Scouts BSA. **Scouts BSA WHOA Weekend**. 7.190 10.115 14.060 14.290. QSL. Tom Barker, WA1HRH, 329 Faraway Rd., Whitefield, NH 03598. Paper logging. QSL via SASE and eQSL.

Feb. 19, 1600Z – 2000Z, W5BMC, Patterson, LA. Bayouland Emergency Amateur Radio Service. **Cajun Coast Eagle Expo**. 7.250 14.250 EchoLink W5BMC-R 507010. QSL. Deborah Price, N5FMI, 708 Front St., Morgan City, LA 70380.

Feb. 19 – Feb. 20, 1700Z – 1000Z, K4US, Alexandria, VA. Mount Vernon Amateur Radio Club. **George Washington's Birthday**. 7.040 14.074 14.260. QSL. MVARC, P.O. Box 7234, Alexandria, VA 22307. Held on the grounds of his Virginia home at the Mt. Vernon Greenhouse. mvarc.org

Feb. 19 – Feb. 21, 1400Z – 2359Z, W4A, Greenville, NC. Bright Leaf Amateur Radio Club. **Voice of America 80th Anniversary of the First Broadcast Overseas**. 3.880 7.280 14.280. Certificate & QSL. Bright Leaf Amateur Radio Club, c/o Eddie R. Campbell, W4JNC, 2421 Cobb Dail Rd., Farmville, NC 27828. W3V and W8O also participating. www.w4amc.com

Feb. 19 – Feb. 21, 1400Z – 2359Z, W3V, Washington, DC. Voice of America Amateur Radio Club. **Voice of America 80th Anniversary of the First Broadcast Overseas**. 3.880 7.280 14.280. Certificate & QSL. Voice of America Amateur Radio Club, 330 Independence Ave. SW, Rm 2525-croft, Washington, DC 20237-0073. W8O and W4A also participating. www.qsl.net/k3voa

Feb. 19 – Feb. 21, 1400Z – 2359Z, W8O, West Chester, OH. West Chester Amateur Radio Association. **Voice of America 80th Anniversary of the First Broadcast Overseas**. 3.880 7.280 14.280. Certificate & QSL. West Chester Amateur Radio Association, 8070 Tylersville Rd., West Chester, OH 45069. W3V and W4A also participating. www.wc8voa.org

Feb. 19 – Feb. 21, 1600Z – 2300Z, W0JH, Stillwater, MN. Stillwater Amateur Radio Association. **Ice Station W0JH (Frozen Lake Portable)**. 3.860 7.260 14.260 21.360. Certificate. IceStation2022@radioham.org. Grid square EN34. Certificates will only be sent via email as a PDF. www.qrz.com/db/w0jh or www.radioham.org

Feb. 20 – Feb. 22, 1900Z – 2359Z, WS7G, George, WA. Columbia Basin DX Club. **George Washington's Birthday**. 3.855 7.222 14.322. Certificate & QSL. Brian Nielson, 11650 Road 1 SE, Moses Lake, WA 98837. cbn.homestead.com/WS7G.html

Feb. 25 – Feb. 26, 1422Z – 1422Z, W4BSF, Huntsville, TN. Big South Fork Amateur Radio Club/Scott County ARES. **75th Anniversary of Decommissioning USS Tennessee (BB43)**. 14.250. Certificate & QSL. Big South Fork Amateur Radio Club, P.O. Box 5029, Oneida, TN 37841-5029. Operating from the USS Tennessee (BB-43) Museum in Huntsville, TN. Spotting, QSL/certificate information and to learn more about the USS Tennessee see: www.qrz.com/db/w4bsf or www.bsarc.com

Feb. 26, 1400Z – 2200Z, W0EBB, Leavenworth, KS. Kickapoo QRP Amateur Radio Club. **18th Annual Freeze Your Keys Winter Operating Event**. 7.035 7.240 14.058 14.325 QSL. Gary Auchard, 34058 16th St., Leavenworth, KS 66048. w0mna74@gmail.com

Certificates and QSL cards: To obtain a certificate, send your QSO information along with a 9 x 12-inch self-addressed, stamped envelope (3 units of postage) to the address listed in the announcement. To receive a special event QSL card, send a self-addressed, stamped business-size envelope along with your QSL card and QSO information. *Some clubs may ask for a nominal fee to cover the cost of the certificate or QSL. Request will be made on air during the event or on the club's website.

Contest Corral

Bruce Draper, AA5B, aa5b.corral@gmail.com

Contest Corral

February 2022

Check for updates and a downloadable PDF version online at www.arrl.org/contest-calendar.

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

Start Date-Time	Finish Date-Time	Bands	Contest Name	Mode	Exchange	Sponsor's Website
2 1700	2 2000	144	VHF-UHF FT8 Activity Contest	Dig	4-char grid square	ft8activity.eu/index.php/en
2 2000	2 2100	3.5	UKEICC 80-Meter Contest	Ph	6-char grid square	ukeicc.com/80m-rules.php
3 0000	4 0300	7	Walk for the Bacon QRP Contest	CW	Max 13 WPM; RST, SPC, name, mbr or power	qrptest.com/pigwalk40
3 1800	3 2200	28	NRAU 10-Meter Activity Contest	CW Ph Dig	RS(T), 6-char grid square	nrrcontest.no
3 2000	3 2200	1.8-50	SKCC Sprint Europe	CW	RST, SPC, name, mbr or "none"	www.skccgroup.com
5 0000	6 2359	1.8-UHF	Vermont QSO Party	CW Ph Dig	RS(T), VT county or SPC	www.ranv.org/vtqso.html
5 0001	6 2359	28	10-10 International Winter Contest, SSB	Ph	Name, mbr or "0," SPC	www.ten-ten.org
5 0600	5 1800	1.8-28	EurAsia HF Championship	CW Ph	RS(T), 6-char grid square	www.eurasia-contest.com
5 1200	6 1200	3.5-28, 144	F9AA Cup, CW	CW	RST, serial	www.site.urc.asso.fr
5 1200	6 2359	3.5-28	Mexico RTTY International Contest	Dig	RST, XE state or serial	www.rtty.fmr.e.mx
5 1400	5 2359	1.8-28	Minnesota QSO Party	CW Ph Dig	Name, MN county or SPC	www.w0aa.org/mnqp-rules
5 1400	5 2359	1.8-28	FYBO Winter QRP Sprint	CW Ph Dig	RS(T), SPC, name, power, temperature	arizonascqrptions.apps-1and1.com
5 1600	5 1800	3.5-28	FISTS Saturday Sprint	CW	RST, SPC, name, mbr or "0"	fistsna.org/operating.html#sprints
5 1600	5 1900	3.5	AGCW Straight Key Party	CW	RST, serial, class, name, age	aft.agcw.de/index.php/en
5 1600	6 2359	1.8-28	British Columbia QSO Party	CW Ph	RS(T), BC district or SPC	orcadxc.org/bcqp_rules.html
5 1800	6 1800	1.8-28	European Union DX Contest	CW Ph	RS(T), EU region or ITU zone	eudxcc.altervista.org/eu-dx-contest
5 2300	6 0300	3.5-14	North American Sprint, CW	CW	Others call, your call, serial, name, SPC	ncjweb.com
6 1400	9 0800	1.8-144	Classic Exchange, CW	CW	Name, RST, SPC, rig information	www.classicexchange.org
7 1630	7 1729	3.5, 7	OK1WC Memorial (MWC)	CW	RST, serial	memorial-ok1wc.cz
7 2000	7 2130	3.5	RSGB 80-Meter Club Championship, SSB	Ph	RS, serial	www.rsgbcc.org/hf
8 0200	8 0400	3.5-28	ARS Spartan Sprint	CW	RST, SPC, power	arsqrp.blogspot.com
9 0130	9 0330	3.5-14	NAQCC CW Sprint	CW	RST, SPC, mbr or power	naqcc.info
9 1700	9 2000	432	VHF-UHF FT8 Activity Contest	Dig	4-char grid square	ft8activity.eu/index.php/en
12 0000	13 2359	3.5-28	CQ WW RTTY WPX Contest	Dig	RST, serial	cqwprrty.com/rules.htm
12 1100	12 1300	7, 14	Asia-Pacific Spring Sprint, CW	CW	RST, serial	jstc.org/apsprint/aprule.txt
12 1200	13 1200	1.8-28	Dutch PACC Contest	CW Ph	RS(T), PA province or serial	pacc.veron.nl
12 1200	13 2359	1.8-50	SKCC Weekend Sprintathon	CW	RST, SPC, name, mbr or "none"	www.skccgroup.com
12 1200	13 2359	1.8	KCJ Topband Contest	CW	RST, JA prefecture or continent code	www.kcj-cw.com
12 1400	14 0200	All	YLRL YL-OM Contest	CW Ph Dig	Serial, RS(T), SPC	ylrl.org/wp/yl-om-contest
12 1500	13 1500	1.8-28	OMISS QSO Party	Ph	RS, SPC, mbr (if any)	omiss.net/Facilit/qsoparty.php
12 1900	12 2300	1.8	RSGB 1.8 MHz Contest	CW	RST, serial, UK district code (if UK)	www.rsgbcc.org/hf
12 2300	13 2300	1.8-14	AWA Amplitude Modulation QSO Party	Ph	Name, SPC	antiquewireless.org
13 1300	13 1700	3.5, 7	Balkan HF Contest	CW Ph	RS(T), serial	arabih.ba
14 0000	14 2359	1.8-7	PODXS 070 Club Valentine Sprint	Dig	Name, OM or YL, SPC	www.podxs070.com
14 0100	14 0259	3.5-14	CQC Winter QSO Party	CW	RST, SPC	www.coloradoqrpclub.org
14 0100	14 0300	1.8-28	4 States QRP Group Second Sunday	CW Ph	RS(T), SPC, mbr or power	www.4sqrp.com
14 1300	18 2359	All (no WARC)	ARRL School Club Roundup	CW Ph Dig	RS(T), class (I/C/S), SPC	arrl.org/school-club-roundup
14 1630	14 1729	3.5, 7	OK1WC Memorial (MWC)	CW	RST, serial	memorial-ok1wc.cz
16 1900	16 2030	3.5	AGCW Semi-Automatic Key Evening	CW	RST, serial, year first used a bug	aft.agcw.de/index.php/en
16 2000	16 2130	3.5	RSGB 80-Meter Club Championship, Data	Dig	RST, serial	www.rsgbcc.org/hf
17 0000	18 0300	14	Walk for the Bacon QRP Contest	CW	Max 13 WPM; RST, SPC, name, mbr or power	qrptest.com/pigwalk20
19 0000	20 2359	1.8-28	ARRL International DX Contest, CW	CW	RST, state or province, DX, power	www.arrl.org/arrl-dx
19 1200	20 1159	1.8-28	Russian PSK WW Contest	Dig	RST, oblast or serial	rdclub.ru/russian-ww-psk-contest
19 1900	19 2059	1.8-28	Feld Hell Sprint	Dig	RST, mbr, SPC, grid	sites.google.com/site/feldhellclub
20 2100	20 2300	3.5-28	FISTS Sunday Sprint	CW	RST, SPC, name, mbr or "0"	fistsna.org/operating.html#sprints
20 2300	21 0100	1.8-28	Run for the Bacon QRP Contest	CW	RST, SPC, mbr or power	qrptest.com/pigrun
21 1630	21 1729	3.5, 7	OK1WC Memorial (MWC)	CW	RST, serial	memorial-ok1wc.cz
23 0000	23 0200	1.8-50	SKCC Sprint	CW	RST, SPC, name, mbr or "none"	www.skccgroup.com
23 2000	23 2100	3.5	UKEICC 80-Meter Contest	CW	6-char grid square	www.ukaiccc.com/80m-rules.php
24 2000	24 2130	3.5	RSGB 80-Meter Club Championship, CW	CW	RST, serial	www.rsgbcc.org/hf
25 2200	27 2200	1.8	CQ 160-Meter Contest, SSB	Ph	RS, SP or CQ zone	cq160.com/rules.htm
26 0600	27 1800	3.5-28	REF Contest, SSB	Ph	RS, French department or serial	concours.r-e-f.org/reglements
26 1200	27 1200	3.5-28	FTn DX Contest	Dig	4-char grid square	europeant8club.wordpress.com
26 1300	27 1300	3.5-28	UBA DX Contest, CW	CW	RST, serial, ON province (if ON)	www.uba.be/en
26 1500	27 0159	1.8-50	South Carolina QSO Party	CW Ph Dig	RS(T), SC county or SPC	scqso.com
26 1800	27 0559	3.5-28	North American QSO Party, RTTY	Dig	Name, SPC+DC	www.ncjweb.com
26 1800	27 0559	3.5-28	NA Collegiate Championship, RTTY	Dig	Name, SPC+DC	www.w9smc.com/nacc
27 1400	27 1700	3.5-28	High Speed Club CW Contest	CW	RST, mbr or "NM"	www.highspeedclub.org
27 1500	28 0100	3.5-144	North Carolina QSO Party	CW Ph Dig	NC county or "SPC"	ncqso.org/rules
28 1630	28 1729	3.5, 7	OK1WC Memorial (MWC)	CW	RST, serial	memorial-ok1wc.cz
28 2000	28 2130	3.5-14	RSGB FT4 Contest	Dig	4-char grid square	www.rsgbcc.org/hf

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

Upcoming FCC Exam Session Preparation Sites

(Virtual)

Online CA 90703

02/02/2022

Start/End Dates: 02/02/2022 - 02/23/2022

Times: 7PM to 9PM Pacific Time

of Sessions: 4

Class level: Technician

Morse code offered: No

Pre register required: Yes

Fee: \$50

Pre Study required: Yes

Class Type: Online or Hybrid

Exam offered: No

Sponsoring Club/Organization: American Red Cross - Los Angeles County

Instructor: KK6SMD

Contact: Mark Chung KK6SMD

Phone: (562) 708-3893

Email: mchung@prodigy.net

Location: Red Cross - Los Angeles Region

Your Home Location via ZOOM

Cerritos, CA 90703

Additional Information: Using the ZOOM Platform, the lesson plans follow a logical path in order to pass the FCC Exam for the first level HAM radio license, the Tech Class. Using the Gordon West Technician Study Guide (2018-2022 version), the student will be asked to pre-study and be familiar with chapters for the upcoming lectures given by four esteemed Red Cross Amateur Radio Operators. An alternate book would be the "Fast Track to Technician", which can also be ordered via Amazon. In order to register, please send to Mark (KK6SMD) an email message and pay the Registration fee of \$50.00 via Pay Pal using the email address: mchung@prodigy.net. Otherwise, a check may be mailed to: Mark Chung, Cerritos Amateur Radio League, Box 575, 13337 South Street, Cerritos, CA 90703. One week prior to the classes, a ZOOM link will be sent to each participant. From the comfort of your home, these classes have been a forum for discussion as well as ham radio knowledge. Arrangements to take the FCC Technician license exam online will be made by referral to our Volunteer Examiners.



Upcoming FCC Exam Test

(Within 100 miles) Due to the Coronavirus outbreak, please verify with your VE team that the exam session is being held.

GLAARG is offering remote testing; see <https://glaarg.org/remote-sessions/> for details

Glendora CA 91741

02/12/2022

Sponsor: worldwidedx.com amt radio club

Date: Feb 12 2022

Time: 10:00 AM (No Walk-ins / Register or Call ahead)

Contact: Timothy R. Tucker
(714) 984-4419

Email: ae6ix@worldwidedx.com

VEC: ARRL/VEC

Location: Residence
642 Thornhurst Ave
Glendora CA 91741

Lompoc CA 93436

02/12/2022

Sponsor: Lompoc ARC

Date: Feb 12 2022

Time: 8:00 AM (No Walk-ins / Register or Call ahead)

Contact: Tim D. Woolever
(844) 455-6645

Email: kj6oil.tim@gmail.com

VEC: LAUREL VEC

Location: Cityview Community Church
1600 Berkley Dr
study question pool in afternoon take FCC test.
www.kj6oil.us/event/ham_testing/ts_register
Lompoc CA 93436

Van Nuys CA 91406-1101

02/12/2022

Sponsor: PAPA Repeater System

Date: Feb 12 2022

Time: 7:00 AM (No Walk-ins / Register or Call ahead)

Contact: Norm Goodkin
(818) 613-2257

Email: hamclass@goodkin.net

VEC: Greater LA VEC

Location: Lulu's Restaurant
16900 Roscoe Blvd
Van Nuys CA 91406-1101

Huntington Beach CA 92647-4359

02/17/2022

Sponsor: West Coast ARC

Date: Feb 17 2022

Time: 5:30 PM (No Walk-ins / Register or Call ahead)

Contact: Kenneth O. Simpson
(714) 651-6535

Email: w6kos@arrl.net

VEC: ARRL/VEC

Location: Community United Methodist Church
6652 Heil Ave
Huntington Beach CA 92647-4359

La Habra CA 90631-5401

02/17/2022

Sponsor: Western ARA

Date: Feb 17 2022

Time: 6:00 PM (Walk-ins allowed)

Contact: George T. Jacob
(562) 544-7373

Email: jac2247@gmail.com

VEC: ARRL/VEC Pre-registration preferred.
Location: La Habra Community Center
101 W La Habra Blvd
La Habra CA 90631-5401

(Continued on next page)

Upcoming FCC Exam Test (Continued)

Downey CA 90242

02/19/2022

Sponsor: Downey Amt Radio Cub

Date: Feb 19 2022

Time: 9:00 AM (Walk-ins allowed)

Contact: Robert P. Reeder

(562) 553-2811

Email: paisley.reeder@gmail.com

VEC: [ARRL/VEC](#)

Location: Downey Fire Station 1

12222 Paramount Blvd

Downey CA 90242

Weldon CA 93283-9697

02/19/2022

Sponsor: Sequoia Amt Radio Group

Date: Feb 19 2022

Time: 11:00 AM (No Walk-ins / Register or Call ahead)

Contact: Michael A. Higgins

(760) 378-1028

Email: ka6iys@arrl.net

VEC: [Greater LA VEC](#)

Location: Valley Estates Community Ctr

14213 Allen Ave

Weldon CA 93283-9697

Orange CA 92867

02/26/2022

Sponsor: PAPA Repeater System

Date: Feb 26 2022

Time: 10:00 AM (No Walk-ins / Register or Call ahead)

Contact: Norm Goodkin

(818) 613-2257

Email: hamclass@goodkin.net

VEC: [Greater LA VEC](#)

Location: Marie Callender's

307 E Katella Ave

Orange CA 92867



On Exam Day Bring the Following Items:

1. One legal photo ID (identification):
 - a. State Driver's License, b. Government issued Passport, c. Military or Law Enforcement Officer Photo ID card, d. Student School Photo ID card, e. State Photo ID card.
2. If no photo ID is available, two forms of identification:
 - a. Non-photo State ID card (some states still have them), b. Birth certificate (must have the appropriate seal), c. Social security card, d. Employer's wage statement or Minor's work permit, e. School ID card, f. School or Public Library card, g. Utility bill, bank statement or other business correspondence that specifically names the person; or a postmarked envelope addressed to the person at his or her current mailing address as it appears on the Form 605.
3. Students/minors without a photo ID need to bring only one of the above items if a legal guardian presents their photo ID; otherwise two non-photo IDs are required. Minor children (under the age of 18) may be accompanied in the room by an adult during the test.
4. FCC Registration Number (FRN): VECs are required by the FCC to submit your FRN with your license application form. New license applicants must create an FCC user account and register their Social Security Number (SSN) in the FCC Commission Registration System (CORES) before attending exam sessions. Registrants will be assigned an FRN which will be used in all license transactions with the FCC. For instructions on how to register your SSN and receive an FRN from the FCC, visit the FCC's Registration page and the FCC's Registration instructions page. Per FCC rules, a valid email address is also mandatory on the application form.
5. If applicable, bring a printed copy of your Amateur Radio license. Acceptable copies or printouts of licenses are available from the following sources: the official license or reference license printed from the FCC website or license data printed from the ARRL website or QRZ website. The original(s) and photocopy(s) of any Certificates of Successful Completion of Examination (CSCE) you may hold from previous exam sessions. If your license has already been issued by the FCC, the CSCE showing license credit is not needed. The candidate is required to show proof of the current license to the team but the team is no longer required to submit the proof to the VEC. Expired license proof must be submitted to the team and to the VEC for processing to FCC. These photocopies will not be returned. Instructions on how to obtain an official FCC license copy are on our Obtain License Copy web page.
6. Two number two pencils with erasers and a pen for in-person sessions.
7. A calculator with the memory erased and formulas cleared is allowed. You may not bring any written notes or calculations into the exam session. Slide rules and logarithmic tables are acceptable, as long as they're free of notes and formulas. Cell phone must be silenced or turned off during the exam session and the phones' calculator function may not be used. In addition, iPhones, iPads, Androids, smartphones, Blackberry devices and all similar electronic devices with a calculator capability, may NOT be used.
8. Bring a check, a money order or cash to cover the exam session fee(s). Check the ARRL VEC's current exam fees. The FCC hasn't started to accept the \$35 fee, which will be paid directly to the FCC.
9. Be aware that some information about you will be made publicly available on the FCC's website.

Convention and Hamfest Calendar

Steve Ewald, WV1X, sewald@arrl.org; www.arrl.org/hamfests-and-conventions-calendar

Convention and Hamfest Calendar

A = AUCTION
D = DEALERS / VENDORS
F = FLEA MARKET
H = HANDICAP ACCESS
Q = FIELD CHECKING OF QSL CARDS
R = REFRESHMENTS
S = SEMINARS / PRESENTATIONS
T = TAILGATING
V = VE SESSIONS

Abbreviations
Spr = Sponsor
Tl = Talk-in frequency
Adm = Admission

Michigan (Redford) — Feb. 26 DFHR
9 AM – 1 PM. *Spr*: Livonia ARC. VFW Post 345, 27345 Schoolcraft Rd. *Tl*: 145.35 (100 Hz). *Adm*: \$5.
livoniaarc.com/larc-annual-swap-and-shop/

Michigan (Traverse City) — Feb. 12 FHRV
8 AM – noon. *Spr*: Cherryland ARC. St. Francis High School Gymnasium, 123 E 11th St. *Tl*: 146.86 (114.8 Hz). *Adm*: \$5.
CherrylandARC.com

Minnesota (Saint Cloud) — Feb. 12 DHQRV
9 AM – 1 PM. *Spr*: St. Cloud ARC. St. Cloud Armory, 1710 Veteran's Dr. *Tl*: 147.015 (100 Hz). *Adm*: \$10.
w0sv.club/hamfest

New York (Hicksville) — Feb. 27 DFHQRSV
9 AM. *Spr*: Long Island Mobile ARC. Levittown Hall, 201 Levittown Parkway. *Tl*: 146.850 (136.5 Hz). *Adm*: \$6.
Email: k2knb@arrl.net

New York (Online) — Jan. 30
8:30 AM – 1 PM. *Spr*: Long Island Mobile ARC. Virtual via Zoom. *Adm*: Free. limarc.org

Oklahoma (Sayre) — Mar. 5 DFHRV
8 AM. *Spr*: West Central Oklahoma ARC. Beckham County Activity Center, 310 East Main St. *Tl*: 146.76 (88.5 Hz). *Adm*: \$5. sites.google.com/view/wcoarc/home

South Dakota (Rapid City) — Feb. 19 FHQRSV
8 AM – noon. *Spr*: Black Hills ARC. Faith Lutheran Church, 17 Indiana St. *Tl*: 146.93 (146.2 Hz). *Adm*: Free. w0bik.com

Texas (Harlingen) — Feb. 26 FHRV
8 AM – 11:30 AM. *Spr*: Rio ARC. Sunshine RV Resort, 1900 Grace Ave. *Tl*: 146.70 (114.8 Hz). *Adm*: Free. Email: guh@live.com

Texas (Orange) — Feb. 26 DFHRSTV
7:30 AM – 2 PM. *Spr*: Orange ARC, Jefferson County ARC, Beaumont ARC. Orange County Convention and Expo Center, 11475 FM 1442. *Tl*: 147.180 (103.5 Hz). *Adm*: \$8.
www.qsl.net/w5nd/index_files/HAMFEST%20INFO/

ARRL SOUTHWESTERN DIVISION CONVENTION

February 18 – 19, Yuma, Arizona

DFHQRSV

Fri. noon – 5 PM, Sat. 9 AM – 4 PM. *Spr*: Yuma Amateur Radio Hamfest Organization. Yuma County Fairgrounds, 2520 E. 32nd St. *Tl*: 146.840 (88.5 Hz). *Adm*: \$10.
yumahamfest.org

Arkansas (Hoxie) — Feb. 12 DFHRV

8 AM; Setup Fri. Feb. 11, 3 PM. *Spr*: Lawrence County ARC. Hoxie Service Center, 500 SW Lawrence. *Tl*: 147.045. *Adm*: \$5. Email: w5wec@suddenlink.net

Colorado (Brighton) — Feb. 20 DFRV

9 AM – 1 PM. *Spr*: Aurora Repeater Association & Rocky Mountain Ham Radio. Adams County Fairgrounds Exhibition Hall, 9755 Henderson Rd. *Tl*: 147.15 (100 Hz). *Adm*: \$5.
n0ara.org

Florida (Punta Gorda) — Mar. 5 DFHQRSV

7:30 AM – 1 PM. *Spr*: Peace River Radio Association. Ridge Harbor, 30337 Cedar St. *Tl*: 147.255. *Adm*: \$7. PRRA.club

Florida (Sebring) — Feb. 19 FHRT

8 AM – 1 PM. *Spr*: Highlands County ARC. First Baptist Church of Lake Josephine, 111 Lake Josephine Dr. *Tl*: 147.045 (100 Hz) or 442.350 (100 Hz) linked repeaters. *Adm*: \$5. highlandamateurradio.com

TECHCON

February 25 – 26, Winter Haven, Florida

HRV

Fri. 1 PM – 5 PM, Sat. 9 AM – 5 PM. *Spr*: ARRL West Central Florida Section. Polk County Emergency Operations Center, 1890 Jim Keene Blvd., Winter Haven, FL 33880. *Tl*: 146.985, 443.900, 444.625, 444.950 (127.3 Hz). *Adm*: Free. arrlwf.org/wcf-special-events/wcftechconference/

Indiana (Dugger) — Feb. 26 DFHRV

8 AM – 12:01 PM. *Spr*: Dugger ARC. Dugger Comm Building, 840 Hicum St. *Tl*: 146.775 (136.5 Hz). *Adm*: \$8. Email: jonolvey@gmail.com

Kentucky (Cave City) — Mar. 5 DFHRSTV

7:30 AM. *Spr*: Mammoth Cave ARC. Cave City Convention Center, 502 Mammoth Cave St. *Tl*: 146.94. *Adm*: \$5.
ky4x.org

Maine (Augusta) — Feb. 12 FHRV

8 AM – noon. *Spr*: Augusta ARC. Calumet Club, 334 West River Rd. *Tl*: 146.70 (100 Hz), 146.52. *Adm*: \$5. w1tlc.org

Michigan (Negaunee) — Feb. 5 FHR

9 AM – 1 PM. *Spr*: Hiawatha ARA. Negaunee Township Community Center, 42 M-35. *Tl*: 147.270 (100 Hz). *Adm*: \$5.
qsl.net/k8lod

To All Event Sponsors

Before making a final decision on a date for your event, you are encouraged to check the Hamfest and Convention Database (www.arrl.org/hamfests-and-conventions-calendar) for events that may already be scheduled in your area on that date. You are also encouraged to register your event with HQ as far in advance as your planning permits. See www.arrl.org/hamfest-convention-application for an online registration form. Dates may be recorded up to 2 years in advance.

Events that are sanctioned by ARRL receive special benefits, including an announcement in these listings and online. Sanctioned conventions are also listed in *The ARRL Letter*. In addition, events receive donated ARRL prize certificates and handouts. Once the form has been submitted, your ARRL Director will decide whether to approve the date and provide ARRL sanction.

The deadline for receipt of items for this column is the **1st of the second month preceding publication date**. For example, your information must arrive at HQ by **March 1** to be listed in the **May** issue. Information in this column is accurate as of our deadline; contact the sponsor or check the sponsor's website for possible late changes, driving directions, and other event details. Please note that postal regulations prohibit mention in QST of games of chance, such as raffles or bingo.

Promoting your event is guaranteed to increase attendance. As an approved event sponsor, you are entitled to special discounted rates on QST display advertising and ARRL web banner advertising. Call ARRL's toll-free number at 1-800-243-7768, or email ads@arrl.org.

ARRL News

(All photos and icons from ARRL.org or other specified sources). “The Language of Youth”.

David A. Minster, NA2AA, ARRL Chief Executive Officer, na2aa@arrl.org

Second Century



Diversity and Inclusion: Driving Amateur Radio's Growth

My column this month is a collection of thoughts as expressed to members who wrote in with concerns covering diversity, the recruitment of youth, and editorial choices we have made — that I have made — over the past year. These are subjects that bring out strong feelings and opinions. Please spend a few moments with me as I cover these topics.

Amateur radio, as we know, is a diverse hobby. It provides us with vast expanses of spectrum, which encourages variety in our technical investigations and use. We have developed all manner of modes, from CW (my favorite) to voice and data modes that, again, support great variety in our types of operating. The greatest form of diversity our hobby provides, though, is that of the expansive reach of people it includes from across the spectrums of age, gender, ethnicity, religion, sexual orientation, and ability. Perhaps this has to do with the fact that most times, our transmissions encourage anyone from anywhere to answer our call!

Just as our radio signals know and respect no borders, neither does diversity in amateur radio. I recently attended the kick-off session for the IARU Region 1 strategy conference. It was astonishing to see how well the conference was attended from many dozens of countries across the region, spanning Europe, Africa, and the Middle East. Just looking at the smiling faces and the eagerness with which the attendees were engaged underscored a fundamental principle of “the amateur’s unique ability to enhance international goodwill” [FCC § 97.1(e)].

The first conclusion I can draw from this, is that we need to stop drawing imaginary local, regional, or national boundaries when determining the diversity of our community. We truly need to think internationally, and this is in our DNA! Since 1925, we have been holding hands as a global community to protect and expand our radio privileges. To this day the International Amateur Radio Union, and the role that ARRL plays as its International Secretariat, is rich with diversity, collaboration, and inclusion that aids in the fulfillment of its mission.

I was on a Zoom call recently with some college students and recent college grads. The moderator asked everyone to please rename themselves, if they hadn't already, to show their name, call sign, and pronouns. Yes, their personal pronouns (she/her, they/them, he/him). The students who hadn't already done so apologized for the gaffe, and adjusted their on-screen names. I sat thinking: how in the world would this be received by all those hams saying that ARRL needs to bring many more young people into the hobby? The generational culture gaps have never been wider — that I am aware of. This isn't just long hair and outdoor rock concerts. These are fundamental belief systems intended to create an inclusive environment. I suspect some Baby Boomers, Gen Xers, and even some Gen Yers may struggle with choosing to

relate to this new way to connect with each other. Some may feel they can't, some even may decide they won't. I admit it isn't easy for everyone.

The second conclusion I've reached is that asking for more youth in amateur radio represents a cultural challenge. The young people today are not the young people of *your* youth. Who they are as people is different. What they are looking for from our hobby is different. The time pressure of being digitally connected and always “being on” is different. The real-time nature of how young people consume content is different. Even their shifting opinions and preferences relating to social media are different from just a year ago! Amateur radio must recognize and embrace these differences — and dynamically adapt to accommodate them!

I respect the wide points of view on the matter of diversity. I am very aware of how these changes will be met with discomfort in the coming years. I hope that as a member, you'll hang in there whenever and wherever they appear within the hobby — including the pages of *QST* and elsewhere.

The final conclusion is that this is a challenge for our radio clubs and our teachers: you represent the best places and the best people to lead us as a community, with regard to setting the example for engaging youth and embracing diversity. We've been busy at ARRL HQ, strengthening our team in Field Services and in Education & Learning. These will be the principal areas of focus where we move diversity to the top of the agenda and keep it there as we look to grow amateur radio and grow ARRL.

We'll be looking for you at the ARRL National Convention and HamCation in Orlando this month. If you're there, look around. In what ways could we help attract more people, from across our differences, to our common passion for radio?

Be radio active! Be the connector that grows the hobby! And if you have a friend who isn't an ARRL member, encourage them to consider joining.

David A. Minster, NA2AA
Chief Executive Officer

(Continued on next page)

ARRL News (Continued)

Amateur Radio Digital Communications Grants Continue

Amateur Radio Digital Communications (ARDC) has continued its largesse, funding a variety of projects through individual grants. Among the latest is a nearly \$900,000 award that will permit the Internet Archive to build the Digital Library of Amateur Radio and Communications (DLARC), "an online, open-access resource that preserves the vital resources -- past, present, and future -- that document the history of amateur radio and communications," as the project proposal explained. Internet Archive is a nonprofit library of millions of free books, movies, pieces of software, pieces of music, websites, and more.



"The DLARC will be both an education program building a unique and unparalleled collection of primary and secondary resources, but also an innovative technical project that will build a digital library that combines both digitized print materials and [original] digital content," Internet Archive

said in its proposal.

It will incorporate three distinct areas: a large-scale scanning program to digitize relevant print materials from institutions and individuals; a large-scale digital archiving initiative that seeks to curate, archive, and provide specialized access to such media as digital photos and audio-video presentations, as well as websites and web-published material, and a personal archiving campaign to ensure the preservation and future access of notable individuals and stakeholders involved in the founding and activities of ARDC and the broader community.

The ARDC grant program stems from the proceeds of the July 2019 sale of some 4 million unused consecutive AMPRNet internet addresses. Using those funds, ARDC established a program of grants and scholarships in support of communications and networking research, with a strong emphasis on amateur radio. Another ARDC grant for nearly \$34,000 will permit the Fauquier 4-H Ham Radio Club in Virginia to purchase and equip a 4-H Youth Station and Outreach Trailer for the club's youth to use at regular meetings, public demonstrations, and special events. "A big thanks to Amateur Radio Digital Communications for awarding our new Ham Radio Club a grant to build a ham radio trailer," the club posted on its Facebook page. "Building out the trailer and using the modern amateur radio equipment will be a fun STEAM [science, technology, engineering, arts, and mathematics] project for our club members. Once it is all built out, you can plan to see the trailer out at some local events -- hopefully the Fauquier County Fair and the Manassas HamFest in mid-June."

(Continued on next page)

ARRL News (Continued)

The Fauquier 4-H Ham Radio Club offers local youth ages 9 to 18 opportunities to explore STEAM through amateur radio communications and electronics projects. "An amateur radio license is not required to join, but the club strives to inspire and help members who are interested in getting their license achieve that goal," the

proposal said.



The Fauquier 4-H Ham Radio Club learning beginning circuitry skills by building code practice oscillators. [Dalyah Ronzio, photo]



A \$318,000 grant to the Society of

Women Engineers (SWE), will fund 30 SWE global scholarships and "contribute to programs that will help women in engineering excel professionally and showcase their achievements." According to SWE, these programs include the High School Leadership

Academy, a virtual, year-round program aimed at building self-confidence and resilience among high school students who are interested in pursuing engineering and technology degrees; the Community College Women of Color Pathways Research, a new year-long program to encourage undergraduate women studying at Historically Black Colleges and Universities (HBCUs) and Hispanic-Serving Institutions (HSIs) to pursue STEM graduate degrees, and its Collegiate Leadership Institute, a program designed to equip collegiate SWE members with the skills, knowledge, and leadership abilities that will enable them to become leaders in engineering and technology.



Radio to the rescue

By News release

A sign directs to emergency supplies at the Quintette fire station. Photo by Gary Boal



A sign directs to emergency supplies at the Quintette fire station. Photo by Gary Boal

El Dorado County Amateur Radio Club

As the most recent series of storms showed, power and communications infrastructure can be vulnerable, resulting in extended outages. (Continued on next page)

ARRL News (Continued) **Radio to the rescue** (Continued)

Many El Dorado County residents not only lost power during these storms but also vital phone and internet services failed and residents could not reach 911. In areas where heavy snow fell residents were cut off or trapped at home and did not know how or where to obtain vital help or supplies. Even the 24/7 emergency telephone outside the Georgetown Fire Department's Volcanoville fire station went dead due to downed power and telephone lines.

Since 2019 the El Dorado County Amateur Radio Club has implemented neighborhood radio watch programs throughout El Dorado County. Neighborhood radio watch was developed in response to the growing concerns of wildfire destroying communications systems and placing lives at risk. Led by a team of local amateur "ham" radio operators, the neighborhood radio watch program enables residents to use powerful "non-ham" emergency radios in the event of wildfires, storms or power shutoffs that disable communications systems. Many county residents now keep these low-cost radios ready at home and in their cars so they can reach their family, friends and first responders when all else fails.

Amateur radio and neighborhood radio watch users became especially active during the Caldor Fire and most recently during the storms that blacked out Camino, Pollock Pines and the Georgetown Divide. To help restore emergency communications in the Georgetown area, 12 volunteers from the El Dorado County Amateur Radio Club and its neighborhood radio watches provided more than 112 hours of onsite radio support at the Georgetown IOOF building and the Quintette and Volcanoville fire stations.

During the extended power outage and road closures, these locations became important distribution points for donated firewood, propane, food and other vital winter supplies. The most frequent request for assistance was to get the power back on. Next came propane delivery. Next were requests for welfare checks on stranded friends and neighbors. The fourth most frequent request was for food or firewood.

Among other tasks, Volcanoville station volunteers helped an elderly man who was using only his stovetop for heat. They also brought supplies to an elderly woman who was ill, and then plowed her driveway so, if needed, an ambulance could reach her home. One woman received a frozen chicken and then returned later with bowls of hot soup for the volunteers. At one point the Quintette station volunteers took emergency kits of food, water, fireplace logs and emergency supplies door to door, looking for folks who might need them.

One major problem was that without cell or internet service, many folks did not know about support services at these locations. This, plus the ever-increasing dangers from wildfire and severe storms, only underscores the critical need for more resilient alternative communications systems like radio when disaster strikes. With that in mind, the El Dorado County Amateur Radio Club will dramatically increase its neighborhood radio watch coverage into the Georgetown/north county area this year. (Continued on next page)

ARRL News (Continued) **Radio to the rescue** (Continued)

About the El Dorado County Amateur Radio Club

The Neighborhood Radio Watch program helps residents throughout El Dorado County learn to use simple, inexpensive, “non-Ham” radios to help keep their family, friends and neighbors safer in the event of an emergency or power shutdown when telephone and Internet communications become unavailable. All radio equipment is provided at, or below, cost, and general support services and workshops are offered free of charge. For more information, contact club Public Information Officer Alan Thompson at Alan.W6WN@Gmail.com or visit EDCARC.net.

El Dorado County Amateur Radio Club volunteers: JR Harmon, KN6LBP, Pollock Pines; Jeff Jones, KE6AYK, Pollock Pines; Jeremy Dean, W6TKD, Placerville; Matt Silveira, KN6MXU, Placerville; Justin Tabatchnick, KB2ZVD, Pollock Pines; Gary Boal, W6GLB, Camino; Roger Newman, W6WHU, El Dorado Hills; Mike Summersille, N7MSS, Pollock Pines; Linn Small, KN6QWL, Placerville; Shannon Lile, K6TNY, Placerville; Irene Lile, WB6RAF, Placerville; Jay Harmor, KE6GLA, El Dorado Hills; Jeremiah Norrell, K6JRN, Georgetown.

Inspiring Students through Volunteer Work



DSU student Tony Rizi demonstrates satellite contact during an outreach event at a school in Georgia.

Technology can make communication seem effortless, but those connections don't just happen, said online doctoral student Tony Rizi.

To help young students learn about the technology behind communications, he and fellow members of the Amateur Radio Club of Columbia County (ARCCC) have been holding outreach sessions at the Savannah River Academy, a preschool through 8th-grade non-sectarian private school in Grovetown, GA.

(Continued on next page)

ARRL News (Continued) **Inspiring Students through Volunteer Work** (Continued)

“It is important for students to understand that communications do not happen by magic,” he stated. “Antennas need to be a specific length, and someone needs to build the electronics.”

Over several months, kindergarten – 6th-grade students at the school have been exploring technology. They practiced Morse code, learned ham radio fundamentals, and even launched a weather balloon with a radio system that allowed them to track the balloon’s path.

These events were strategically planned to lead up to one big communication event – a talk with an astronaut on the International Space Station (ISS). ARCCC coordinated with the Amateur Radio International Space Station (ARISS) and NASA to develop and implement these learning experiences to prepare the students for the December 10 event. ARISS is the group that puts together special amateur radio contacts between students around the globe and crew members with ham radio licenses on the ISS.

The Augusta Chronicle posted a video from their event, and science teacher Dr. Nasiba White commented that as the students learned about space, their questions got more technical. “I could really see the progression” as students gained more knowledge, she said.

Rizi said the lessons allowed students to see the reality of technology and get hands-on experience. “It helps make it more concrete for them and can inspire them,” said Rizi. “Hopefully we’ll get some future astronauts out of the group.”

To communicate with ISS, which Rizi helped facilitate, they used two-way Frequency Modulated (FM) voice signal links between earth and the ISS, and a specialized antenna from the North Fulton Amateur Radio League that could track the space station from horizon to horizon by making direct contact with the amateur radio station aboard the space station.

During the 10-minute event, ten students asked astronaut Dr. Thomas Marshburn questions such as “How are AR and VR (augmented reality, virtual reality) technologies utilized for astronaut training in or on the ISS?” and “Are cyberattacks of concern aboard the ISS?”

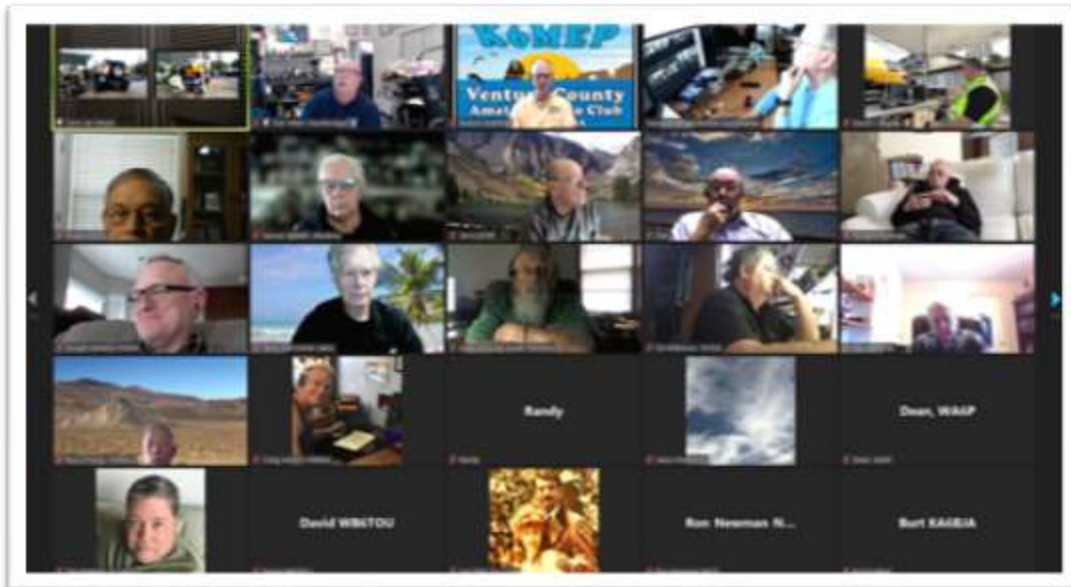
Rizi is a retired Senior Chief Petty Officer who now works for the Department of Defense. He has a bachelor’s degree from Excelsior College, and a master’s degree in cyber security from the University of Maryland – University College in cyber security. While he was in the Navy, he worked with various forms of communications from Morse code to cyber operations. He is now working on his Ph.D. in Cyber Operations at DSU. “The courses are interesting and challenging, and thought-provoking,” said the South Carolina native. In addition, fellow students in the program provide different perspectives on cyber operations topics, he noted.

(Continued on next page)

ARRL News (Continued) Inspiring Students through Volunteer Work (Continued)

“I want to be a recognized professional as an industry expert, and I think DSU is a great way to do that.” (https://dsu.edu/news/2022/01/inspiring-students.html?fbclid=IwAR3Gpk4lMA5VDwH56oxn5_DAoMJdz8P9VYKLsVIwRTKPz8oFaJLPd0T2mvM)

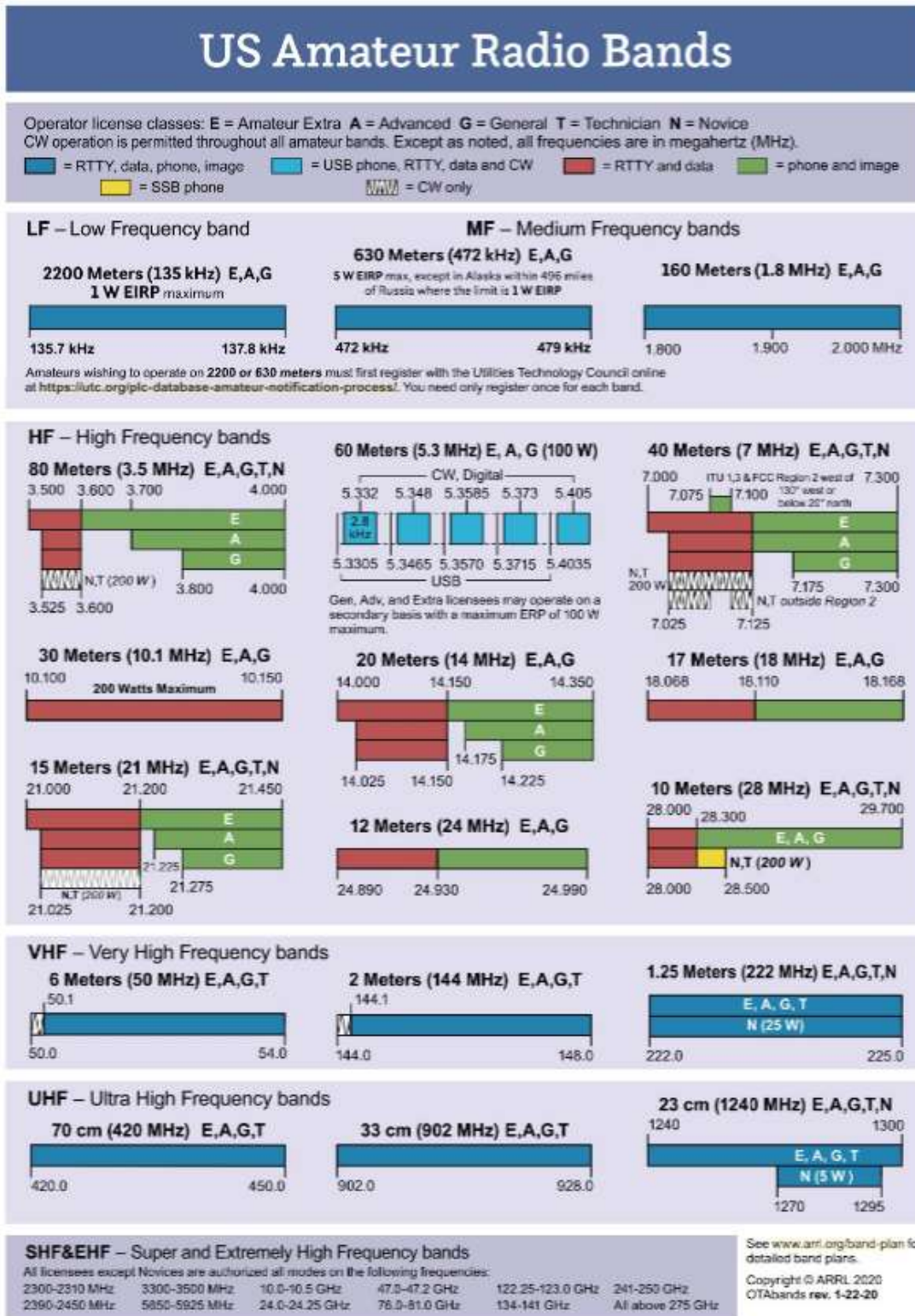
Some Attendees of the WaveTalkers Zoom Meeting 01/16/22



Chris W6AH showing updated check-in form



US Amateur Radio Bands



W1AW Schedule

W1AW Schedule

PAC	MTN	CENT	EAST	UTC	MON	TUE	WED	THU	FRI
6 AM	7 AM	8 AM	9 AM	1400		FAST CODE	SLOW CODE	FAST CODE	SLOW CODE
7 AM-1 PM	8 AM-2 PM	9 AM-3 PM	10 AM-4 PM	1500-1700 1800-2045	VISITING OPERATOR TIME (12 PM-1 PM CLOSED FOR LUNCH)				
1 PM	2 PM	3 PM	4 PM	2100	FAST CODE	SLOW CODE	FAST CODE	SLOW CODE	FAST CODE
2 PM	3 PM	4 PM	5 PM	2200	CODE BULLETIN				
3 PM	4 PM	5 PM	6 PM	2300	DIGITAL BULLETIN				
4 PM	5 PM	6 PM	7 PM	0000	SLOW CODE	FAST CODE	SLOW CODE	FAST CODE	SLOW CODE
5 PM	6 PM	7 PM	8 PM	0100	CODE BULLETIN				
6 PM	7 PM	8 PM	9 PM	0200	DIGITAL BULLETIN				
6 ⁴⁵ PM	7 ⁴⁵ PM	8 ⁴⁵ PM	9 ⁴⁵ PM	0245	VOICE BULLETIN				
7 PM	8 PM	9 PM	10 PM	0300	FAST CODE	SLOW CODE	FAST CODE	SLOW CODE	FAST CODE
8 PM	9 PM	10 PM	11 PM	0400	CODE BULLETIN				

W1AW's schedule is at the same local time throughout the year. From the second Sunday in March to the first Sunday in November, UTC = Eastern US time + 4 hours. For the rest of the year, UTC = Eastern US time + 5 hours.

◆ Morse code transmissions: Frequencies are 1.8025, 3.5815, 7.0475, 14.0475, 18.0975, 21.0675, 28.0675, 50.350, and 147.555 MHz.

Slow Code = practice sent at 5, 7½, 10, 13, and 15 WPM.

Fast Code = practice sent at 35, 30, 25, 20, 15, 13, and 10 WPM.

Code bulletins are sent at 18 WPM.

For more information, visit us at

www.arri.org/w1aw

◆ W1AW Qualifying Runs are sent on the same frequencies as the Morse code transmissions. West Coast qualifying runs are transmitted by various West Coast stations on CW frequencies that are normally used by W1AW, in addition to 3590 kHz, at various times. Underline 1 minute of the highest speed you copied, certify that your copy was made without aid, and send it to ARRL for grading. Please include your name, call sign (if any), and complete mailing address. Fees: \$10 for a certificate, \$7.50 for endorsements.

◆ Digital transmissions: Frequencies are 3.5975, 7.095, 14.095, 18.1025, 21.095, 28.095, 50.350, and 147.555 MHz.

Bulletins are sent using 45.45-baud Baudot, PSK31 in BPSK mode, and MFSK16 on a daily revolving schedule.

Keplerian elements for many amateur satellites will be sent on the regular digital frequencies on Tuesdays and Fridays at 6:30 PM Eastern time using Baudot and PSK31.

◆ Voice transmissions: Frequencies are 1.855, 3.99, 7.29, 14.29, 18.16, 21.39, 28.59, 50.350, and 147.555 MHz. Voice transmissions on 7.290 MHz are in AM double sideband, full carrier.

◆ Notes: On Fridays, UTC, a DX bulletin replaces the regular bulletins. W1AW is open to visitors 10 AM to noon and 1 PM to 3:45 PM Monday through Friday. FCC-licensed amateurs may operate the station during that time. Be sure to bring a reference copy of your current FCC amateur license. In a communication emergency, monitor W1AW for special bulletins as follows: voice on the hour, teleprinter at 15 minutes past the hour, and CW on the half hour.

W1AW code practice and CW/digital/phone bulletin transmission audio is also available real-time via the *EchoLink Conference Server* W1AWBDCT. The conference server runs concurrently with the regularly scheduled station transmissions. The W1AW Qualifying Run texts can also be copied via the EchoLink Conference Server.

During 2022, Headquarters and W1AW are closed on New Year's Day (observed December 31, 2021), Presidents Day (February 21), Memorial Day (May 30), Independence Day (July 4), Labor Day (September 5), Veterans Day (November 11), Thanksgiving and the following day (November 24 and 25), and Christmas Day (observed December 26).

