



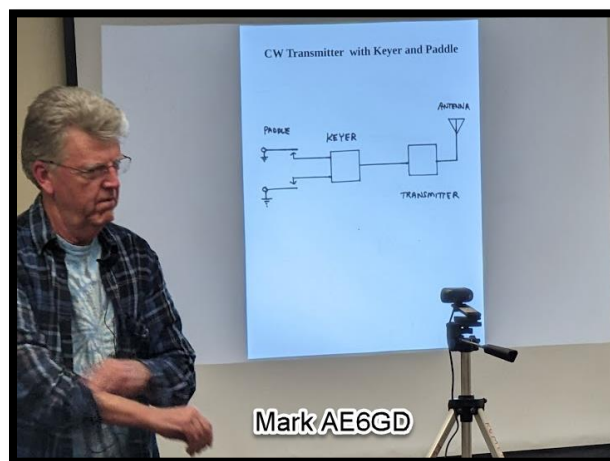
**Club Info:**

Our call sign is K6MEP and our website is K6MEP.ORG. We invite anyone who is interested in amateur radio to explore our website or attend one of our meetings. We meet on the second Friday of every month, except in December. Our meetings are held at The Dudley House 197 N Ashwood Ave Ventura CA. We will enjoy our annual DecemberFest dinner on December 9<sup>th</sup> this year at the Black Bear Diner in Ventura. We also hold a net at 20:00 hours each Monday night on Two Meters on the WD6EBY Repeater of Oxnard on 145.200 MHz (-)(PL 127.3) and include a Zoom meeting starting about 19:45 hours. Come by, join us, and share your ham radio interests. We welcome all ham operators so please check-in and join the roundtable discussion.



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## Message from the President

The (lame duck) Prez Sez,  
Elections were held at our regular club meeting on November 11th.  
Our club voted for their officers and new board members with the following results:

President – Denney Pistole N6HV  
Vice President – David Schmidt AI6VX  
Secretary -  
Treasurer - John Gartman W6JPG  
Board Members At-Large  
Burt Auerbach – KA6BJA  
Clement Alberts – KM6OKZ  
Mark Thompson – AE6GD

December is the festive month where the world's communities celebrate many religious observances and our club looks forward to the K6MEP DecemberFest party. We also thank our outgoing and welcome our incoming officers.

The December-themed poem that resonated with me is titled 4,000 Years of Christmas by Earl W. Count.  
"Shall we liken December to the web in a loom? There are many weavers, who work into the pattern the experience of their lives. When one generation goes, another comes to take up the weft where it has been dropped. The pattern changes as the mind changes, yet never begins quite anew. At first, we are not sure that we discern the pattern, but at last we see that, unknown to the weavers themselves, something has taken shape before our eyes, and that they have made something very beautiful, something which compels our understanding." (I hope that Mr. Count doesn't mind my changing his forth word from Christmas to December).

(Continued on Next Page)

Club Offices	And Keyer	Contributors
President	Robert Shank	KM6RSS
Vice-President	Clement Alberts	KM6OKZ
Secretary	Phil Cohen	WA6BUZ
Treasurer	John Gartman	W6JPG
Board Member	Burt Auerbach	KA6BJA
Board Member	Dave Schmidt	AI6VX
Board Member	Mark Swaney	KD6ASL
Program Manager	Clement Alberts	KM6OKZ
Technical Mgr.	Jeremy Climer	KN6JMD
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	Robert Shank	KM6RSS
Youth Coordinator	Tim Tenopir	KN6JGB
License Trustee	Dave Schmidt	AI6VX
ARRL Club Rep.	Dave Schmidt	AI6VX
ACS/ARES Rep.	Burt Auerbach	KA6BJA
Monday Night Net	Robert Shank	KM6RSS
QSL Manager	Ben Holmes	K6QV
Safety Officer	Mark Vodon	KI6PTE
PIO/Trivia	Dana Wentling	KG6WXE
Columnist	Reese West	KQ6TT
Columnist	Steve Noll	WA6EJO
Columnist	Dave Schmidt	AI6VX
Columnist	Denney Pistole	N6HV
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@arrl.net. 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)

**Looking backward:** At November's club meeting, Mark Thompson presented "CW Mode" and used a code practice keyer to demonstrate his techniques.

The elected officers will formally assume their office at the December 9th DecemberFest party. If you would like to attend the dinner party and have not sent an RSVP, please contact Robert Shank email KM6RSS at gmail.com. Many thanks to outgoing VP Clement Alberts KM6OKZ (who is an incoming board member), Secretary Phil Cohen WA6BUZ and Board Member Mark Swaney KD6ASL for their contributions. Congratulations to the new and returning officers: Dave, John, Clement and Burt; we thank you for your continuing service to the club. Additional thanks to Linda Shank and Ben Holmes for bringing the refreshments and to Richard Abbey and others who helped with the set-up and take-down of the tables and chairs.

**Looking Forward:** We are looking forward to seeing you at DecemberFest held on December 9<sup>th</sup>. We will meet at Black Bear Diner Ventura, which is located at Seaward and Harbor, from 18:30 to 22:00. Please see K6MEP@groups.io or our website, [www.qsl.net/k6mep/](http://www.qsl.net/k6mep/), for more details. Thanks in advance to Linda for preparing the party gifts and to Denney N6HV, for creating the electronics quiz.

As my safety share to you; be prepared when you are traveling for the holidays. Many people choose to travel during the holidays by automobile, with the highest fatality rate of any major form of transportation. In 2020, 3,237 people died in December, according to Statistics Department National Safety Council. Alcohol-impaired fatalities represent about one-third of the totals. Use a designated driver to ensure guests make it home safely after a holiday party; alcohol, over-the-counter or illegal drugs all cause impairment. Make sure every person in the vehicle is properly buckled up no matter how long or short the distance traveled. Put that cell phone away; many distractions can occur while driving, but cell phones are the main culprit. Properly maintain the vehicle and keep first aid supplies and a radio go-kit with you. Be prepared for heavy traffic, and possibly heavy rain (or snow, if you head north). Thanks to the National Safety Council for this information (<https://injuryfacts.nsc.org/>). See you all at the second Friday of December (the 9<sup>th</sup>) for the DecemberFest at Black Bear Diner Ventura, at Harbor and Seaward.



73,

Robert Shank KM6RSS  
Lame Duck President, VCARC

## Minutes of the November 6th, 2022, VCARC Board Meeting

MEETING LOCATION: Zoom

TIME: 19:01 to 20:42

Timekeeper: Dave

CALL TO ORDER at 19:01

Board Attending: John, Dave, Burt, Clement, Mark S and Robert. Secretary Phil was absent.

Committee chairpersons and Guests: Denney, Mark Vodon, Tim, Steve Noll and Jacques Behar.

Robert opened the meeting and welcomed all attendees.

### Minutes: (Phil WA6BUZ) Robert represented Phil.

- Dave made the motion with Burt seconding to approve minutes of the October 9th board meeting as published in the October Keyer. All board members present voted "Aye".
- John made the motion with Dave seconding to approve minutes of the October 14th regular meeting as published in the October Keyer. All board members present voted "Aye".
- An updated Membership Roster with new members was sent to all board members on 10/29.

### Officers Report: (John W6JPG)

- Treasurer: John has sent out the treasure's report to the board members; Mark made the motion with Clement seconding to approve. All board members voted "Aye".
  - John reported that he sent Richard Abbey, our facilities manager, the customary payment of \$100 to Dudley House for our picnic and  $\mu$ Field Day.
  - Mark Swaney asked if we put out the donation container for the  $\mu$ Field Day; John and Robert explained that we didn't since it wasn't a club activity. Mark suggested that we do it at all of our events where we incur any costs to the club.

### Committee Reports:

- Youth Committee (Tim KN6JGB)
  - Tim expressed interest in contacting local high schools to determine if we can assist with STEM and ham radio training and support. Robert suggested he contact Pedro who had served on a school board. Tim will present his proposal (mission statement, scope, etc.) to the board at an upcoming meeting.
- Members Health and Safety (Mark KI6PTE)
  - Mark suggested that we continue to look for an alternative meeting place due to the ventilation and other issues of our current location.
- ARRL Chair (Dave AI6VX)
  - No response from Dave's email to John Kitchens, our ARRL Santa Barbara Section Manager., about hosting the ham exam, Dave will present his vision and goals for the exam during a future board meeting, which might also include license training. Burt suggested that the venue and date should be considered for other training and/or ham activities such as antenna construction.

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## Minutes of the November 6th, 2022, VCARC Board Meeting (Continued)

### Committee Reports (Continued)

- ACS/ARES Chair (Burt KA6BJA)
  - The Ride for the Red is coming up on November 12th and is fully staffed. Nothing is known about the use of ham radio operators for the December 11th Santa to the Sea activity at this time. Please see <https://santatothesea.com/> for more information. An email has been sent to Rob W6RH asking about the status of the event. He replied that he is working with Stu AG6AG.
- DecemberFest (Robert)
  - Black Bear Diner has been reserved – 34 plan to attend (so far) but Mark S and Phil may be late; need final tally to manager two weeks before December 9th (11/24)
  - Buffet main (tri tip, salmon, and pasta), sides (cornbread muffin, seasonal vegetables, and mashed potatoes with country gravy), salad with either Ranch or Italian dressing, beverages (non-alcoholic), and desserts will be \$32.99 per person, all included.
  - Discussed payment process (attendees pay John, John pays restaurant)
  - Can the donate button be used? Yes, but PayPal deducts from the payment and John will need to calculate what the actual amount needs to be to offset the PayPal service charge (about \$35).

### Special Orders:

- Inventory (Denney N6HV)
  - TRW sales results for October were about \$200
  - Inventory update of sold and new items to be updated on website and Denney to contact members for a weekend inventory party

### Unfinished Business:

- Club Needs:
  - Monday Night Net has the following volunteers for net control operators for November 14 (Denney), 21 (Mark S.) and 28 (Tim).



(Continued on next page)

## **Minutes of the November 6th, 2022, VCARC Board Meeting** (Continued)

- Nominations for Club Officers (Phil wasn't available to update board on current nominees)
  - Who wants to run and for what offices? (wait for Phil's report)
  - How many offices can one nominee be nominated for?
  - In the case there are nominees being nominated for more than one office, the motion was made by Mark S and seconded by Clement to have a separate ballot for officers (president, vice president, secretary and treasurer), and, after the votes are counted and the officers selected, anyone who also was nominated for a board member and lost (their officer election) would be placed on the board member ballot which would be voted on afterwards. The motion was approved by all board members present. An amendment to the bylaws might need to be made to memorialize the decision.
  - What happens when a nominee receives the most votes for two or more offices? This won't happen once the clarification, above, was made and approved. A nominee may only run for an officer and a board member.
- Dues were due by October 31st! If you haven't paid, please do so ASAP as you won't be able to vote in the election.
- Preparations for DecemberFest (presents including wrapping paper, etc.) A motion to allow a maximum of \$100 to reimburse Denney and Robert (and anyone else) for receipted costs to prepare presents, etc., was made by Mark S and seconded by Clement. The vote was approved by all board members present.
- Membership definitions vis-à-vis bylaws and application
  - Can you run and/or vote in the November election if you haven't paid your dues?
    - No, according to the bylaws. Phil and John will coordinate to determine who is eligible to vote in the election and ballots will be given to those members only.

### **New Business:**

- Reality check; online training and testing vs. cost of doing it ourselves
  - Dave explained that by offering the licensing exam we are recruiting and advertising for new members as well as better supporting our current members who want to obtain the next license class and/or assist others with their preparation and enjoyment of amateur radio.
  - Burt also suggested that after the exam is over (assuming that we might have to pay for the venue), a projects class could be given, such as antenna building, that would further interest all participants. Everyone voiced their support for this goal.

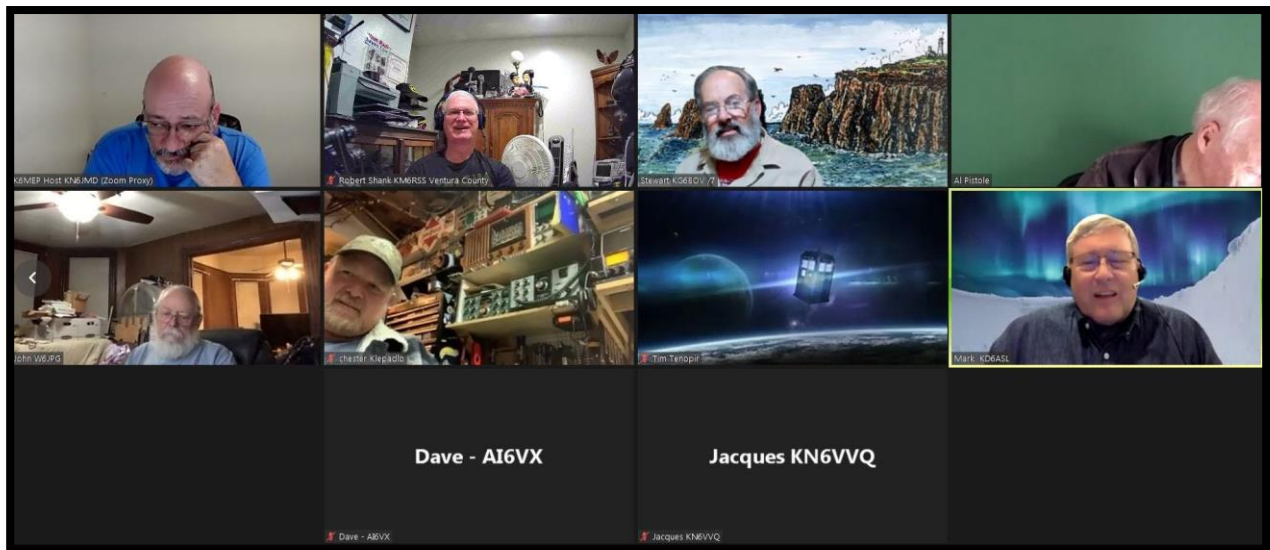
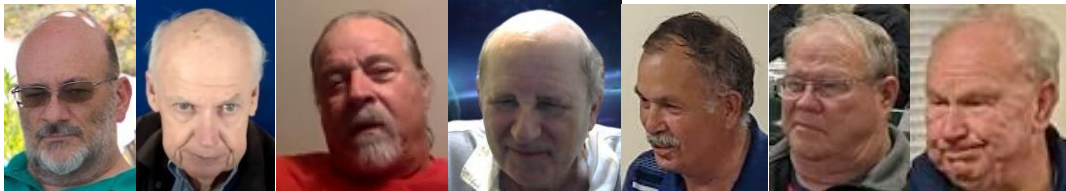
### **Announcements:**

- Our next club meeting is scheduled for November 11th at the Dudley House. Mark Thompson AE6GD will present "CW Mode Operation" and we will nominate and vote for our new officers and board.

### **Adjournment:**

- Dave made the motion to adjourn with Clement seconding it. All six board members voted their approval and the meeting ended at 20:42.

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## Minutes of the November 11, 2022 General Membership Meeting

MEETING ADDRESS: Dudley Historical House, 197 N. Ashwood Dr. Ventura CA 93003 and simulcast on Zoom.

ATTENDANCE: 23 signed the attendance sheet. One guest, David Ziesk KM6FWT, was recognized and thanked for joining our meeting.

### CALL TO ORDER (AT 19:00)

President Robert KM6RSS asked the attendees to please sign in and, if they plan on attending the DecemberFest party on December 9<sup>th</sup>, they were to please select their main course. The documents were on the table in the back of the room.

### Veterans Day (Robert)

When I was a child November 11 was celebrated as Armistice Day; the day hostilities were halted in the Great War (WW1) on the 11th hour of the 11th day of the 11th month of 1918. It was actually not the end of the war, but an armistice or ceasefire.

All German troops were withdrawn to east of the Rhine with surrender of their aircraft, warships, and military materiel. The representatives of Germany and the Allies met in Paris to negotiate the formal treaty. The Armistice was extended three times for negotiations. Finally, the agreement was reached and the Treaty of Versailles was signed in 1919 ending the war. It was hailed as the War to end all Wars (which, looking back, was severely overstated).

In 1954 President Eisenhower declared the day to be Veteran's Day to honor veterans of all American wars.

We have Memorial Day to honor our war dead, Veterans Day to honor those who came home, and Armed Forces Day to honor those now serving. I hope we never stop honoring our Military, past and present.

We are thankful for your service which allows us to live our lives as we see fit. You are the tenders of the tree of freedom. Happy Veterans Day!

### Flag salute

Led by Robert

### Presentation

Mark Thompson AE6GD presented "CW Mode Operation"

Many questions were asked and Mark provided many insights to learning Morse Code.



### Break for socialization and election set-up (15 minutes)

(Continued on Next Page)

## Minutes of the November 11<sup>th</sup>, 2022 General Membership Meeting (Continued)

### THE ELECTION PROCESS

President Robert explained the election procedures as follows and took as long as needed so that everyone could ask questions.

Procedures: Four members will conduct the election process

The **secretary** logs into the Zoom meeting

The **president** read the secretary's updated list of nominees for all offices

The **president** asked for nominations from the floor for all offices

The **secretary** added additional nominations to the nominations list

**Dave** entered the final nominations list through his computer and printer and created the officer ballot, holding the board member nominees for later printing after the officer election results were known

The **secretary** read out loud to the attendees and to the Zoomers (those who are on Zoom) the officer ballot nominees

The **secretary** asked for a raise of hands of the attendees and those on Zoom of all who are regular members in good standing to determine if there is a quorum of 25% of the total membership of the club.

A **volunteer member** who wasn't running for an office distributed to and collected from the voting members the paper officer ballots

The **secretary** received the individual Zoom attendee officer votes sent directly to him via directed chat and recorded the tally

A **volunteer member** who wasn't running for an office tallied the paper ballots and gave the tally and ballots to the secretary

The **secretary** tallies the Zoom chat "ballots" with the paper ballot tally to create the overall tally

The **secretary** removes those who won an office from those who were also running for a board member seat

The **secretary** announced the resulting names of the board member candidates to the attendees and to the Zoomers .They were: **President Denney Pistole, VP Dave Schmidt and Treasurer John Gartman**. No one ran for Secretary.

The board nominations list was run through Dave's computer and printer to create the board member ballot

A **volunteer member** who wasn't running for an office distributes to and collects from the voting members the paper board member ballots

The **secretary** received the individual Zoom attendee board member votes sent directly to him via directed chat and recorded the tally

A **volunteer member** who wasn't running for an office tallied the paper ballots for the board member seats and gave them to the secretary

The **secretary** added the paper ballot tally to the Zoom chat "ballots" to create the overall tally

The **secretary** announced the three board member names based on the three highest number of votes. **They were Burt Auerbach, Clement Alberts, and Mark Thompson.**

The **president** congratulated the winners and thanked all of those who have participated.

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**Minutes of the November 11<sup>th</sup>, 2022 General Membership Meeting** (Continued)

**Announcements:**

- The next Board Meeting (on Zoom) is December 4th; everyone is invited to attend using the credentials posted on our calendars (K6MEP and Groups.io).
- Our club's next meeting date is December 9th. It will from 18:30 hours to 22:00 hours at the Black Bear Diner in Ventura.
- Thanks to Linda and Ben and any others who brought refreshments for tonight's meeting.

**Adjournment:**

- Mark made the motion to adjourn and Tim seconded it. The members voted their approval and the meeting was adjourned at 21:18. Everyone was invited to go to Toppers for pizza.

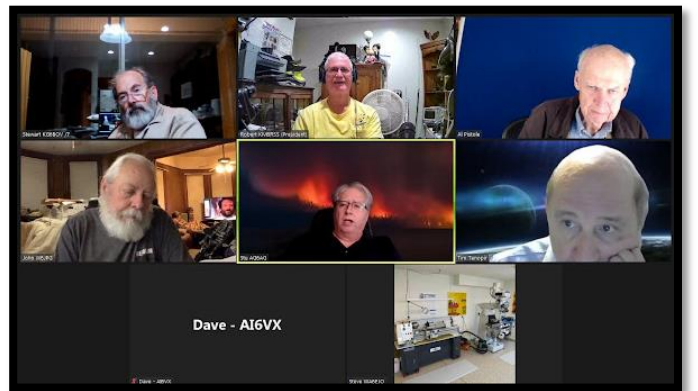


## K6MEP Monday Night Net Update by Robert KM6RSS

Our new Monday Night Net Contest started Monday, January 3<sup>rd</sup> and will end on December 5<sup>th</sup>. Contact me to volunteer to be the net or alternate net controller.

Below are the current Monday Night Net Contest Totals. Our groups.io has all of the Monday Night Net Contest documents in the files folder. Our contest-to-date total over 48 weeks is 784 check-ins with 108 visitors and an average of 16.33.

Week	Monday Night Net Contest Totals to Date		Total	Visitors
	Date			
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	
6	2/7/2022	17	4	
7	2/14/2022	14	2	
8	2/21/2022	16	2	
9	2/28/2022	11	1	
10	3/7/2022	14	1	
11	3/14/2022	17	2	
12	3/21/2022	15	1	
13	3/28/2022	13	0	
14	4/4/2022	17	2	
15	4/11/2022	18	4	
16	4/18/2022	15	1	
17	4/25/2022	19	3	
18	5/2/2022	16	3	
19	5/9/2022	12	1	
20	5/16/2022	20	7	
21	5/23/2022	20	3	
22	5/30/2022	20	6	
23	6/6/2022	16	2	
24	6/13/2022	14	3	
25	6/20/2022	18	3	
26	6/27/2022	18	2	
27	7/4/2022	15	2	
28	7/11/2022	11	1	
29	7/18/2022	11	1	
30	7/25/2022	20	8	
31	8/1/2022	17	5	
32	8/8/2022	15	2	
33	8/15/2022	20	3	
34	8/22/2022	17	1	
35	8/29/2022	20	2	
36	9/5/2022	16	0	
37	9/12/2022	17	1	
38	9/19/2022	14	1	
39	9/26/2022	16	0	
40	10/3/2022	20	4	
41	10/10/2022	19	5	
42	10/17/2022	18	4	
43	10/24/2022	16	3	
44	10/31/2022	17	1	
45	1/7/2022	19	1	
46	1/14/2022	14	1	
47	1/21/2022	12	0	
48	1/28/2022	15	0	
Total		784	108	



## Herd On The Net 10-24-2022



Come join us on the K6MEP Monday night two meter net. All amateurs are welcome to join in. You can ask questions and get help from the many participants.

During the net you can tell us about your adventures in amateur radio for the last week. Tell us about what stations you have worked. Any new equipment you have acquired or antennas you have put up.

Highlights from November. Robert KM6RSS has been having more computer problems including a blue screen of death. Tim KN6JGB is installing a radio case on his e-bike. He prefers to ride to sites when supporting bike rides and marathons. Kurt KN6TKN has been working a little 20 meters CW. Burt KA6BJA has finished up a big wood working project and now may have some time to do a little hamming. Tom N6QDI built a tape measure antenna. Bob KD6UDA is working on a loop antenna and on getting his CW up to speed. Scott KD6FOV built a California J-Pole antenna. Chris K6QOP participated in the Great Shake Out earthquake preparedness drill. Mike KF6UV has been getting his small lathe back in shape. Fernando KI6OKT also participated in the Great Shake Out and is working on a battery box.

Join us on the net Monday night on the WD6EBY linked repeater system on 145.200 MHz.

73, Denney N6HV



## A Ham's Night Before Christmas

'Twas the night before

Christmas,  
And all through 2 meters,  
Not a signal was keying up  
Any repeaters.

It was way in the distance,  
But the moon made it gleam.  
A flying sleigh, with an  
Eight-element beam,

He tightened loose fittings,  
Resoldered connections,  
Cranked down modulation,  
Installed lightning protection.

He hooked it all up  
And in record time, quickly  
Worked 100 countries,  
All down on 160.

The antennas reached up  
From the tower, quite high,  
To catch the weak signals  
That bounced from the sky.

And a little old driver  
Who looked slightly mean.  
So I thought for a moment,  
That it might be Wayne Green.

He neutralized tubes  
In my linear amp.  
(Never worked right before;  
Now it works like a champ).

I should have been happy,  
It was my call he sent.  
But the cards and the postage  
Will cost two month's rent!

The children, Tech-Pluses,  
Took their H-Ts to bed,  
And dreamed of the day  
They'd be Extras instead.

But no, it was Santa,  
The Santa of Hams.  
On a mission, this Christmas,  
To clean up the bands.

A new, lowpass filter  
Cleaned up the TV.  
He corrected the settings  
In my TNC.

He made final adjustments,  
And left a card by the key:  
"To Gary, from Santa Claus.  
73."

Mom put on her headphones,  
I plugged in the key,  
And we tuned 40 meters  
For that rare ZK3.

He circled the tower,  
Then stopped in his track,  
And he slid down the coax  
Right into the shack.

He repaired the computer  
That would not compute,  
And he backed up the hard drive  
And got it to boot.

Then he grabbed his H-T,  
Looked me straight in the eye,  
Punched a code on the pad,  
And was gone with no good-bye.

When the meter was pegged  
By a signal with power.  
It smoked a small diode,  
And, I swear, shook the tower.

While Mom and I hid  
Behind stacks of CQ,  
This Santa of hamming  
Knew just what to do.

Then, he reached really deep  
In the bag that he brought,  
And he pulled out a big box.  
A new rig? I thought!

I ran back to the station,  
And the pileup was big,  
But a card from St. Nick  
Would be worth my new rig.

Mom yanked off her phones,  
And with all she could muster  
Logged a spot of the signal  
On the DX PacketCluster,

He cleared off the shack desk  
Of paper and parts,  
And filled out all my late QSLs  
For a start.

A new Kenwood? An Icom?  
A Yaesu, for me?!  
(If he thought I'd been bad,  
it might be QRP!)

Oh, too late, for his final  
came over the air.  
It was copied all over.  
It was heard everywhere.

While I ran to the window  
And peered up at the sky,  
To see what could generate  
RF that high.

He ran copper braid,  
Took a steel rod and pounded  
It into the earth, till  
The station was grounded.

Yes! The Ultimate Station!  
How could I deserve this?  
Could it be all those hours  
that I worked Public Service?

The Ham's Santa exclaimed  
What a ham might expect,  
"Merry Christmas to all,  
And to all, good DX!"

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## Trivia by Dana KG6WXE

DID YOU KNOW?

1. Cadillac automobile is 120 years old is the oldest American car.



2. Drivers in England own the most convertible cars.



3. In 1903, the first Rolls/Royce sold for \$6000. In today's money that's \$200,000.



Happy Holidays!  
de  
Dana Kg6wx

## **November 12, 2022 Red Cross Ride for the Red by Robert KM6RSS**

The Ride for the Red is a Multi-distance Bike Ride through Ventura County for support of Red Cross Service to the Armed Forces

The course had three distances, 100-mile (17 riders), 65-mile (from 50 to 60 riders) and 30-mile course routes throughout Ventura County.

Ride for the Red was created by local Red Cross volunteers who were eager to share the story and history of Red Cross Service to the Armed Forces.

The Red Cross helps members of the military, veterans, and their families prepare and cope with the challenges of military service and family separation.

The Red Cross is the only nonmilitary service organization that supports military families from the day they enlist until they become military veterans.

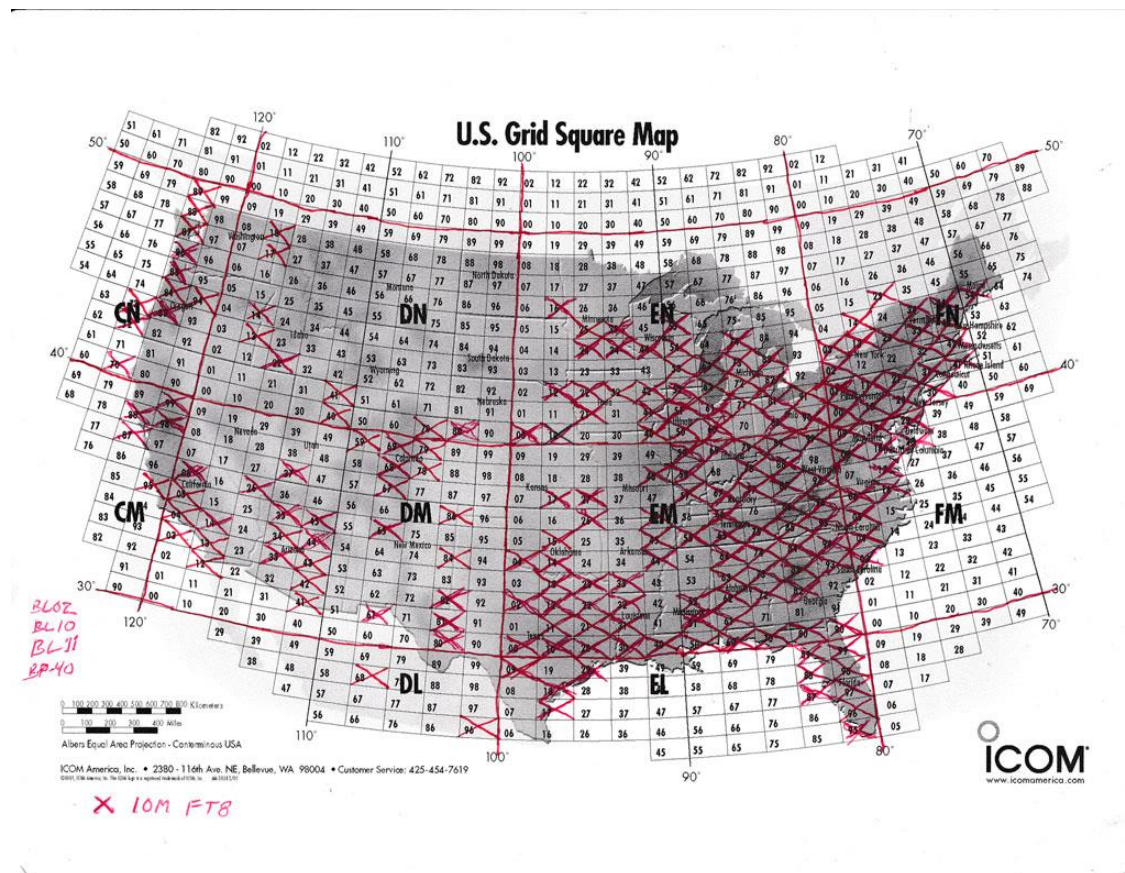
Many Ventura County amateur radio operators (and Arizona operators like Pat and Stewart) volunteered to provide emergency communications for the event. Burt and I were at Rest Stop 3-Saint Catherine By-The-Sea Convent.



## WA6EJO Drivel by Steve Noll

### FT8

FT8 - Boring? Not Ham Radio? Too easy? It is a controversial mode for some. I wasn't sure what to make of it myself, but finally gave it a try. Operating pretty much 10M only and using my ground-mounted CB whip ground plane. At the start it was too easy and I could see it could actually be boring, so I figured a goal would help. I printed an ICOM continental U.S. map showing all of the grid squares and made a goal of making one contact in each of the several hundred squares. This makes FT8 much more interesting. The band is usually crowded with South American stations this time of year and I ignore those, there's just too many. I do occasionally jump on any DX I hear from Europe, Africa, or Japan. If I ever complete this continental US grid square map I guess I'll be looking for a Canada or South America grid square map. I am a little disappointed as I don't hear any 10-10 FT8 activity. (My 10-10 number is 12346.)



P.S.

Oh, on a whim one day I tuned the rig to the 144.174 MHz 2M FT8 frequency and gave a CQ. Holy Cow I get an answer! Almost scared me. It was a guy in Temple city. Was not expecting that!

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## WA6EJO Drivel by Steve Noll (Continued)

### A LITTLE K6MEP HISTORY

A little, as my memory isn't so good. "Back in the day" the club was far more into VHF and above contesting. We had club projects like making 10 GHz Gunn diode transceivers. Some made Laser transmitters.



We put on the 1992, 1992, and 1993 VHF/UHF West Coast Conferences at the Holiday Inn in Ventura. Attendees came from across the U.S... At the conferences we had guest speakers, noise figure measurement, antenna gain and pattern measurements, spouse programs, a hospitality room, vendor exhibits, and so on. People submitted technical papers that the ARRL published in the 1992 and 1993 Proceedings.

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## **Out On The Limb Again With Field Theory by Reese West KQ6TT**

This article is an attempt to examine the propagation of electromagnetic fields and, as a result, to explain the propagation of light. I fully realize that it is very presumptuous to offer these explanations after decades of scientific failure to do so. I spent a lifetime as a working engineer; not as a scientist. Engineering is an art where one must sometimes find working answers to impossible problems.

We have basic limitations of words, language and lack of ability to visualize things that are not in our four dimensions. Therefore, one is restricted to using words that describe our world, but not worlds that we cannot visualize.

Decades ago, the scientists could not identify the medium in which light propagated. There are no substances, materials, or any identifiable medium that could support moving light. Light could propagate in regions that we considered to be absolutely empty; vacuums. It was then hypothesized that there existed an 'ether' in which the light could move, but we could not detect it. So they did an experiment to measure the speed of light in that ether. It was assumed that we, and our earth, were moving through it. They used two light beams, one in the direction that the earth was moving, and one at ninety degrees. They got the same velocity in both directions, and they interpreted that result to mean that the ether did not exist.... Well...they got it wrong by their own rules. They neglected their own rules: IE. At the speed of light, time ceases to exist. If time does not exist, then speed does not exist. Speed is the change of position with respect to time. Everything happens at the same instant. But 'the same instant' does not exist either since that alone assumes that time exists. I offer an alternative conclusion.

When light propagates it can interact with our four dimensional materials. Therefore, the propagation cannot be one hundred percent in an ether. So how can that be? Here is the rabbit out of the hat: light propagates at an interface between our four dimensions and another region. An example of an interface propagation in our space would be a wave on the surface of water. This other region is the 'no time', 'no space' (NTNS) that our four space came from in the first place. Our time had to start from somewhere where our kind of time did not exist. There are other examples of interface propagation of energy. In power lines, there is no energy in the wires. The mathematical derivation of this is the Poynting Vector Equation. The wires act as guides where the energy is propagating in the region around the wire. The electromagnetic waves carry energy in a region that fills our four space but we cannot see or feel it. It is the NTNS regions that we came from. Electromagnetic fields may then exist by interacting with unseen particles, but we cannot detect them. The unexplainable field propagation has an interface explanation. A little support for this idea is that some particles have finite lifetime in our four space and then disappear.

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## Out On The Limb Again With Field Theory by Reese West KQ6TT

(continued)

To where? By the rules of the scientists particles pop into and out of our four space from somewhere. Give it a little thought about atomic particles with a short half-life. They are here and then just disappear. I say that they just went across the barrier between our four space and NTNS.

More could be written to explain the concept, but I will stop here. I have also some thoughts that explain the atomic strong force which seems to have no explanation. However, the short discussion here is enough to digest at one sitting.



Laurice West KQ6TT Nov. 20, 2022

## Yaesu FT-817 No TX Repair by Dave AI6VX

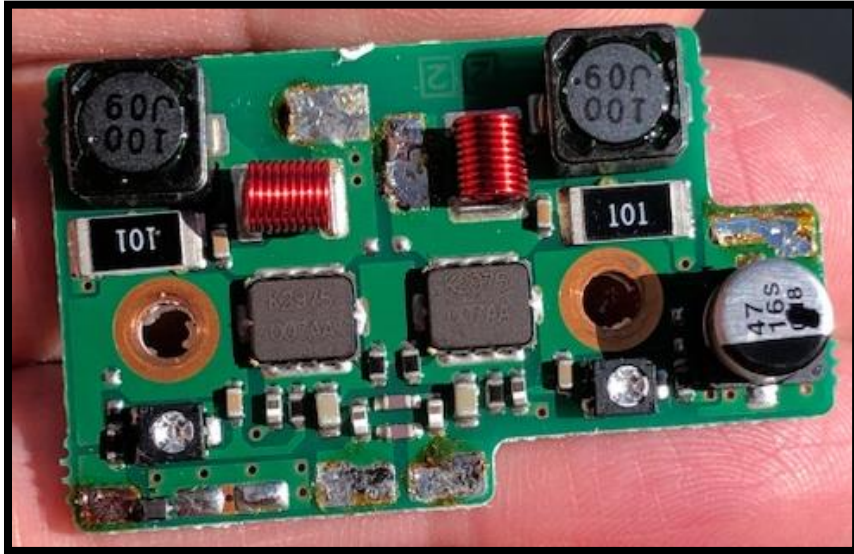
The first time I saw an FT-817 was over 12 years ago at multi-family campout. One of the other dads pulled out the small 5W, all-mode HF-VHF-UHF rig, threw a dipole up into the trees, connected a small gel battery, and proceeded to do CW on HF. Seeing how compact and capable the radio was, I had to have one - until I found out how much it cost! Fast forward to this past year and I found a local club selling one at a very good price, but with problems. "Tech special. Good RX all bands, no TX all bands." Hmm, I wonder if I could fix it. If not, the price was low enough that I could justify using it as a general coverage, all-mode, shortwave receiver. Thanks to the Internet, usually someone else in the world has already solved and documented a fix to an exact problem I'm having. Searching Google for "FT-817 no TX power", I found many folks stating low or zero TX power for this radio was due to failure of the PA (power amplifier) module, usually caused by dying batteries left in the radio. Apparently, the finals can oscillate to destruction when the batteries get low as the finals are continuously powered even when the radio is off. Thankfully, since this same module is used in their current FT-818 radio, Yaesu still sells the replacement part. An added bonus is the design got updated due to the original transistors going obsolete, and the price dropped from \$60 to \$27! Based on the likelihood that this was the problem, I bought the PA module from Yaesu, and the "Tech Special" FT-817. Once I had both items in-hand, it was time to get to work. I confirmed the output power was very low (milliwatts) on all bands – worse for HF. Visually looking over the circuit boards, nothing looked unusual. Other than low RF output, the rest of the connection signals on the PA module looked good. Time to replace the module.



Replacing the PA module consisted of unsoldering 7 connections from the old module, removing 2 mounting screws, removing the old module, cleaning and adding new heat sink paste, and reversing the process. Finally, bias adjustment was performed. This was done by monitoring the current consumption of the radio while adjusting two trim pots on the PA module so that each transistor is pulling 38 mA of current.

(Continued on next page)

## Yaesu FT-817 No TX Repair by Dave AI6VX (Continued)



After performing the repair, I was rewarded with 5W of RF output on all bands. I finally became an owner of this nice, small, QRP all-mode transceiver! I'm looking forward to using this rig in portable operations.

Dave  
AI6VX



## State of the Net by Orv Beach W6BI

Here's a review of some of the ham radio network activities in Ventura County and beyond over this last year done by PVARC.

### Backbone upgrades

PVARC successfully submitted a grant request to Amateur Radio Digital Communications and received those monies earlier this year. A large chunk of it was meant for network backbone equipment upgrades, as the existing equipment is over 5 years old.

Those backbone upgrades, while still planned, have been considerably delayed due to supply chain issues, mostly for network switches. We now expect them to mostly take place over the first half of 2023

### Site Upgrades

#### South Mountain (East)

Work continues on upgrading PVARC's newest site, South Mountain East (as opposed to the original South Mountain site, now known as South Mountain West). The current project is building a battery enclosure at the side of the building and equipping it with a number of high-capacity batteries for emergency backup. Some network equipment upgrades are also planned for the near future.

#### Leisure Village

The network equipment at Leisure Village has been in place for quite a few years. I recommended an equipment upgrade to their club and they agreed to fund it. On November 20th, Eric KE6MLF and Eric N6RFI went there with the new gear. Eric MLF went up the tower, retired the dead Ubiquiti Nanostation M2, and replaced the Nanostation M5 with a Mikrotik SXTsq 5. In the ham shack Eric RFI swapped out the old Netgear GS108 with a Mikrotik hAP ac Lite router loaded with AREDN gear and moved the laptop and VOIP phone over to it. The new installation not only gives them a better SNR into the network via the Camarillo Hills node, it also gives them a lot more flexibility with the network in the shack. Props to Mike N6MDA and Jonathan KT6LA for supporting this effort!

(Continued on next page)

## State of the Net by Orv Beach W6BI (Continued)



Eric KE6MLF doing tower work at KJ6LV

### **New sites**

Negotiations are ongoing to enable PVARC to occupy several more sites around the county and its surrounds. Success will allow us to provide better network coverage in the county, in addition to expanding it to the northwest and improving it to the east.

### **Camera upgrades**

Part of the ARDC grant money was targeted for replacing the existing PTZ (Pan-Tilt-Zoom) cameras at our network sites. The existing Sunba cameras have been in place for 4-5 years. Not only are they no longer supported by the vendor, but full management of them requires Internet Explorer 6 with a proprietary plug-in.

We've replaced three cameras in Simi at the SimiWest, SimiNorth and SimiEast site. We replaced them with a more current model from the same vendor. It can be managed with any browser, has a great user interface, greater zoom and is highly configurable.

(Continued on next page)

## State of the Net by Orv Beach W6BI (Continued)



Here's a screenshot from the new SimiNorth cam (on private property above the north end of Sycamore Road).

Over and above replacing existing cameras, we deployed a high-end Axis PTZ camera at the South Mountain East site. It has excellent optics and is very configurable. Here's a screenshot from it (below).



Those four cameras now "patrol" - they move between several preset directions and zooms periodically. So if you view the screenshots at <http://wd6eby.actusa.net/cameras/> they could be pointed at any of their presets.

There are one or two "camera-less" sites that we hope to deploy cameras to in the future.

Look for another network update in the first quarter of 2023. Happy networking!

## 2022 ARRL Field Day Results (including K6MEP)

# 2022 ARRL Field Day Results

Despite reduced propagation, nearly 30,000 individuals participated in Field Day this year, making over 1.2 million contacts.

**ARRL Director of Operations**  
Bob Naumann, W5OV;  
**ARRL Radiosport Manager**  
Bart Jahnke, W9JJ, and  
**ARRL Contest Program Manager**  
Paul Bourque, N1SFE

The 2022 ARRL Field Day showed a return to pre-COVID environments, with more relaxed protocols for social gatherings. There were modest participation increases in portable (Classes A and B), mobile (Class C), and Emergency Operations Center, or EOC (Class F), station activations. Despite the event weekend offering poorer propagation than usual, nearly 5,000 entries were submitted from ARRL and Canadian Sections, plus entries from several DX countries.

In January 2022, ARRL commissioned a survey about the event, which was sent via email to individuals and clubs who submitted entries for the 2020 and 2021 Field Days. Based on a consensus derived from the more than 3,000 survey responses, the Field Day rules were updated to include: limiting the highest power level to 100 W (removing the up-to-legal-limit 1 × power multiplier), allowing Class D (home) stations to continue to earn points for contacts made with other Class D stations, continuing club aggregate scoring in future events (i.e., the scores of individual stations are combined under the score of a single club), and revising our media publicity criteria to require that publicity be obtained (not just attempted), where any combination of bona fide media hits would qualify for the bonus points. Some publicity examples that would meet the bonus criteria include posting the details of your upcoming or ongoing Field Day activity or results on a club or news media site, or a social media platform; photos and videos are encouraged.



The crew at the Platinum Coast Amateur Radio Society, W4MLB, in Melbourne, Florida, entered the 2022 Field Day in the 4A category. [Platinum Coast Amateur Radio Society, W4MLB, photo]

### Event Statistics

Due to many areas of the country loosening restrictions on gatherings in public spaces, there was an increase in the number of groups that participated as Class A (portable stations with a three or more person club or non-club group) and Class B (portable stations with a one or two person club or non-club group) entries, comprising over 37.1% of the total number of entries. Other mobile stations operating as Class C, as well as EOC stations in Class F, represented another 4.4% of portable (field) participation.

Class D (home stations, commercial power) and Class E (home stations, emergency power) represented the remaining 58.5% (down from 67% of the total entries in 2021).

This year, there was a total of 4,929 entries submitted (including checklogs), and a reported total of 29,679 participants. While the total number of entries decreased by 17.5% over 2021, the total number of participants increased by 11%, with the number of participants rebounding toward pre-pandemic numbers (there were 36,420 participants in 2019). This

| Transmitter Count by Class |                                                                             |       |         |       |         |          |         |
|----------------------------|-----------------------------------------------------------------------------|-------|---------|-------|---------|----------|---------|
| Class                      | Class Definition                                                            |       |         |       |         |          |         |
| A                          | Three-person or more club/non-club portable using emergency power           |       |         |       |         |          |         |
| AB                         | Per above, with battery or alternate non-generator power source             |       |         |       |         |          |         |
| AC                         | Per above, but with commercial power                                        |       |         |       |         |          |         |
| B1                         | One-person club/non-club portable using emergency power                     |       |         |       |         |          |         |
| B1B                        | One person per above, with battery or alternate non-generator power source  |       |         |       |         |          |         |
| B1C                        | One person per above, but with commercial power                             |       |         |       |         |          |         |
| B2                         | Two-person club/non-club portable using emergency power                     |       |         |       |         |          |         |
| B2B                        | Two persons per above, with battery or alternate non-generator power source |       |         |       |         |          |         |
| B2C                        | Two persons per above, but with commercial power                            |       |         |       |         |          |         |
| C                          | Mobile stations                                                             |       |         |       |         |          |         |
| D                          | Home stations using commercial power                                        |       |         |       |         |          |         |
| E                          | Home stations using emergency power                                         |       |         |       |         |          |         |
| F                          | EOC stations                                                                |       |         |       |         |          |         |
| Count by Class Summary     |                                                                             |       |         |       |         |          |         |
| Class                      | Entries                                                                     | Class | Entries | Class | Entries | Class    | Entries |
| A                          | 1,029                                                                       | B1B   | 235     | B2C   | 2       | E        | 743     |
| AB                         | 42                                                                          | B1C   | 28      | C     | 58      | F        | 155     |
| AC                         | 109                                                                         | B2    | 76      | D     | 2,053   | Checkdog | 126     |
| B1                         | 245                                                                         | B2B   | 28      |       |         |          |         |

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## 2022 ARRL Field Day Results (continued)

| Entries by ARRL RAC Section/Prefix |         |         |         |         |         |                             |         |
|------------------------------------|---------|---------|---------|---------|---------|-----------------------------|---------|
| Section                            | Entries | Section | Entries | Section | Entries | Section                     | Entries |
| AB                                 | 19      | MDC     | 91      | OR      | 76      | WI                          | 95      |
| AK                                 | 7       | ME      | 31      | ORIG    | 62      | WMA                         | 31      |
| AL                                 | 94      | MI      | 140     | PAC     | 11      | WNY                         | 88      |
| AR                                 | 53      | MN      | 101     | PE      | 4       | WPA                         | 74      |
| AZ                                 | 120     | MO      | 110     | PR      | 15      | WTX                         | 18      |
| BC                                 | 46      | MS      | 29      | QC      | 33      | WV                          | 37      |
| CO                                 | 108     | MT      | 28      | RI      | 23      | WWA                         | 131     |
| CT                                 | 63      | NC      | 173     | SB      | 23      | WY                          | 14      |
| DE                                 | 20      | ND      | 14      | SC      | 54      | DX: LU — Argentina          | 3       |
| EB                                 | 45      | NE      | 18      | SCV     | 63      | DX: UK — Australia          | 1       |
| EMA                                | 69      | NF      | 87      | SD      | 15      | DX: PY — Brazil             | 1       |
| ENY                                | 84      | NH      | 42      | SDG     | 26      | DX: LZ — Bulgaria           | 1       |
| EPA                                | 131     | NL      | 4       | SF      | 23      | DX: TI — Costa Rica         | 2       |
| EWA                                | 98      | NLI     | 46      | SFL     | 42      | DX: CO — Cuba               | 1       |
| GA                                 | 108     | NM      | 29      | SJV     | 30      | DX: HI — Dominican Republic | 1       |
| GTA                                | 47      | NNJ     | 64      | SK      | 6       | DX: DL — Germany            | 2       |
| IA                                 | 56      | NNY     | 15      | SNJ     | 55      | DX: YB — Indonesia          | 1       |
| ID                                 | 43      | NT      | 4       | STX     | 153     | DX: JA — Japan              | 7       |
| IL                                 | 148     | NTX     | 121     | SV      | 57      | DX: XE — Mexico             | 6       |
| IN                                 | 108     | NV      | 42      | TN      | 138     | DX: PA — Netherlands        | 1       |
| KS                                 | 51      | OH      | 209     | UT      | 48      | DX: ZL — New Zealand        | 2       |
| KY                                 | 57      | OK      | 49      | VA      | 175     | DX: HF — Panama             | 1       |
| LA                                 | 35      | ONE     | 61      | VI      | 2       | DX: YV — Venezuela          | 1       |
| LAX                                | 104     | ONW     | 7       | VT      | 19      | TOTAL:                      | 4,929   |
| MAR                                | 16      | ONS     | 40      | WCF     | 47      |                             |         |
| MB                                 | 7       |         |         |         |         |                             |         |

| Transmitter Count by Class |     |      |       |          |       |
|----------------------------|-----|------|-------|----------|-------|
| 1A                         | 131 | 3AC  | 26    | 3D       | 11    |
| 2A                         | 292 | 4AC  | 14    | 4D       | 2     |
| 3A                         | 320 | 5AC  | 8     | 5D       | 1     |
| 4A                         | 153 | 9AC  | 1     | 6D       | 1     |
| 5A                         | 73  | 1B1  | 243   | 1E       | 675   |
| 6A                         | 33  | 2B1  | 1     | 2E       | 36    |
| 7A                         | 13  | 4B1  | 1     | 3E       | 21    |
| 8A                         | 8   | 1B1B | 234   | 4E       | 8     |
| 9A                         | 1   | 2B1B | 1     | 5E       | 5     |
| 10A                        | 1   | 1B1C | 28    | 1F       | 21    |
| 11A                        | 2   | 1B2  | 42    | 2F       | 54    |
| 11A                        | 1   | 2B2  | 33    | 3F       | 40    |
| 17A                        | 1   | 3B2  | 1     | 4F       | 26    |
| 1AB                        | 12  | 1B2B | 22    | 5F       | 8     |
| 2AB                        | 13  | 2B2B | 6     | 6F       | 4     |
| 3AB                        | 10  | 1B2C | 1     | 7F       | 1     |
| 4AB                        | 5   | 2B2C | 1     | 8F       | 2     |
| 5AB                        | 1   | 1C   | 57    | 9F       | 1     |
| 9AB                        | 1   | 2C   | 1     | Checklog | 126   |
| 1AC                        | 17  | 1D   | 1,983 | Total    | 4,929 |
| 2AC                        | 38  | 2D   | 55    |          |       |

year's participant numbers were about 3,000 above the count in 2020.

Looking at the number of contacts reported in 2022, there was a decrease of 11% over what was reported last year. There was increased solar activity leading up to Field Day weekend, which caused propagation on the 20-, 15-, and 10-meter bands (especially 15 and 10 meters) to be significantly reduced.

### 2022 Field Day Overall Statistics

|                         |           | % Change |
|-------------------------|-----------|----------|
| Number of Participants: | 29,679    | 11%      |
| Total Entries:          | 4,929     | -18%     |
| Checklogs:              | 126       | 24%      |
| CW QSOs:                | 524,900   | -13%     |
| Digital QSOs:           | 284,529   | -4%      |
| Phone QSOs:             | 485,088   | -12%     |
| Total QSOs:             | 1,274,517 | -11%     |

### Activity by Class

**Class A** — Club or non-club groups of three or more people who set up temporary/portable Field Day sites away from their usual station locations: 1,209 entries (24.5%).

**Class B** — Club or non-club groups with one or two people who set up temporary/portable Field Day sites away from their usual station locations: 621 entries (12.6%).

**Class C** — Mobile or rover operators from vehicles, bicycles, and even boats: 58 entries (1.2%).

**Class D/Class E** — Stations operating from home, with either commercial power (Class D) or emergency power (Class E): 2,884 entries (58.5%).

**Class F** — Stations operating from or as EOCs: 157 entries (3.2%).

### Entries by Class Summary

| Class | Entries | % of Total   |
|-------|---------|--------------|
| A     | 1,209   | 24.5%        |
| B     | 621     | 12.6%        |
| C     | 58      | 1.2%         |
| D     | 2,130   | D & E: 58.5% |
| E     | 754     |              |
| F     | 157     | 3.2%         |
| Total | 4,929   |              |



Rich Pecoroni, WA1FKP, operated with his 13-year-old granddaughter Riley in the 1D category during the 2022 Field Day. [Rich Pecoroni, WA1FKP, photo]



A sunrise over the Koolau Amateur Radio Club, KH6J, 2022 Field Day 1A station, at Kualoa Regional Park in Oahu, Hawaii. [Koolau Amateur Radio Club, KH6J, photo]

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## 2022 ARRL Field Day Results (continued)



Haj Hartman, K4ZJ, and Sandy Anderson, WD4RIS, worked the public information booth for their 2022 Field Day operation at their Emergency Operations Center, operating as K4DSR in the 2F category. [Deep South Amateur Radio Club, K4DSR, photo]



The Saturday-night sunset over Gary Penley's, K7KA, 3A Field Day site at the Uinta National Forest in Utah. [Photo courtesy of Darryl Hazelgren, K7UT]

**Checklogs** — 126 entries were listed as checklogs if they ran more than 100 W, were DX stations, or were missing the required list of calls sorted by band and mode (also known as a *dupe sheet*) after reminder emails were sent to obtain the list. Checklogs are acknowledged at the bottom of the page at [www.arrl.org/logs-received](http://www.arrl.org/logs-received).

This year, over 98% of the 4,929 entries received were submitted via the web applet, which is roughly the same as in 2021. Based upon your feedback from previous years, some minor changes were made to the applet for clarity, making it easier than ever for you or your group to submit your Field Day results to ARRL.

Several entrants posted their personal stories to the Field Day soapbox at <http://field-day.arrl.org/fdsoapbox.php>.

### Looking Ahead

Many groups and individuals are already looking forward to Field Day 2023, and are actively planning for the event. Consider sharing what your strategies will be for next year with the amateur radio community via the ARRL Field Day Facebook page, at [www.facebook.com/groups/arrlfd](https://www.facebook.com/groups/arrlfd).

The 2023 ARRL Field Day will take place on June 24 – 25.

| Number of Participants by Class |               |
|---------------------------------|---------------|
| Class A                         | 22,090        |
| Class B                         | 729           |
| Class C                         | 76            |
| Class D                         | 2,878         |
| Class E                         | 1,412         |
| Class F                         | 2,434         |
| <b>Total</b>                    | <b>29,679</b> |



During the 2022 Field Day, the Northeastern DX Club, KP4DXC, proudly displayed the Amateur Radio Field Day Proclamation by Rio Grande, Puerto Rico, Mayor Angel "Bori" González Damudt. The team was also visited by municipal officer. From left to right: Gilberto Quiñones, KP4GQ; Eddie Figueroa, WP3EF; Hector Melendez, KP4FGL; Officer Isander Perez; Rio Grande, Puerto Rico, Mayor Angel "Bori" González Damudt, and Jose F. Lopez, KP4JFL (now NP4VO). [Northeastern DX Club, KP4DXC, photo]



John Reilly, N0TA, and John Bredehoff, K0FTC, operated in the 2B category this year in Colorado, when some locals came by to see what all the ruckus was about. [John Bredehoff, K0FTC, photo]

(Continued on next page)

## 2022 ARRL Field Day Results (continued)



### K6MEP Results as published in the December QST

|                 |     |   |    |       |    |
|-----------------|-----|---|----|-------|----|
| Ventura Co. ARC |     |   |    |       |    |
| K6MEP           | 208 | 2 | 22 | 2,396 | SB |

Call Used: K6MEP    GOTA Station Call: (NONE)    ARRL/RAC Section: SB  
Class: 7A

Participants: 22    Club/Group Name: Ventura County ARC

Power Source(s): Generator, Battery, Solar

Power Multiplier: 2X

Preliminary Total Score: **2,396**

Bonus Points:

|                      |                          |
|----------------------|--------------------------|
| 100% emergency power | 700                      |
| Media Publicity      | 100 - Documented by KVTA |

Field Day Posting.jpg

|                          |                           |
|--------------------------|---------------------------|
| Public location          | 100                       |
| Public information table | 100 - Documented by K6MEP |

Visitors log 062522.pdf

|                               |                     |
|-------------------------------|---------------------|
| Formal message to ARRL SM/SEC | 100 - Documented by |
|-------------------------------|---------------------|

Radiogram to Rick Tate SEC via Winlink Packet on 145.050 FM.pdf

|                                               |                     |
|-----------------------------------------------|---------------------|
| Formal messages handled (10 x 10, max of 100) | 100 - Documented by |
|-----------------------------------------------|---------------------|

Radiograms Sent.pdf

|                              |                     |
|------------------------------|---------------------|
| Natural power QSOs completed | 100 - Documented by |
|------------------------------|---------------------|

Natural Power QSOs.pdf

|                                     |     |
|-------------------------------------|-----|
| Site visit by invited served agency | 100 |
|-------------------------------------|-----|

|                |                            |
|----------------|----------------------------|
| Safety officer | 100 - Documented by Safety |
|----------------|----------------------------|

Officer Checklist and Signatures.pdf

|              |     |
|--------------|-----|
| Social media | 100 |
|--------------|-----|

|                         |    |
|-------------------------|----|
| Entry submitted via web | 50 |
|-------------------------|----|

|                    |              |
|--------------------|--------------|
| Total bonus points | <b>1,650</b> |
|--------------------|--------------|

## Selected Contests & Special Events

Please see QST or the ARRL website ([www.arrl.org](http://www.arrl.org)) for any details and QSL information.

Maly Weinberg, KB1EIB, [events@arrl.org](mailto:events@arrl.org); [www.arrl.org/special-event-stations](http://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!

**Through Dec. 31, 0000Z – 2359Z, GB1900HA and GB1900HW**, South Shields and Hexham, England. Hadrian's Wall Partnership. **Hadrian's Wall 1900 Festival**. 7.150 14.200 21.300 145.500. QSL. LoTW. [www.qrz.com/db/gb1900ha](http://www.qrz.com/db/gb1900ha) and [www.qrz.com/db/gb1900hw](http://www.qrz.com/db/gb1900hw)

**Through Dec. 31, 1000Z – 2359Z, PA100THALES**, many cities, Netherlands. PA100THALES Team. **100 Years of Thales Nederland B.V.** All bands, all modes. QSL. Email [pa100thales@qsl.net](mailto:pa100thales@qsl.net) for information. [www.qsl.net/pa100thales](http://www.qsl.net/pa100thales)

**Nov. 17 – Nov. 18, 1200Z – 2359Z, W4H**, Mars Hill, NC. High Appalachian Mountain Amateur Radio Society. **2022 Hammarlund Radio Hullabaloo**. 7.050 7.210 14.050 14.240. QSL. HAMARS, P.O. Box 366, Mars Hill, NC 28754. [www.hamars.club](http://www.hamars.club)

**Nov. 19 – Nov. 21, 0000Z – 0000Z, W6SFM**, Sacramento, CA. Samuel F. Morse Amateur Radio Club. **November Bug Round-up**. 14.045. QSL. Bob Kehr, 13989 Sutter Highlands Dr., Sutter Creek, CA 95685. [www.w6sfm.com/bug-roundup](http://www.w6sfm.com/bug-roundup)

**Dec. 2 – Dec. 12, 1300Z – 2200Z, W2W**, Baltimore, MD. Amateur Radio Club of the National Electronics Museum. **W2W Pearl Harbor Day Commemoration**. 7.041 7.241 14.041 14.241. Certificate & QSL. K3NY, 108 Brent Rd., Arnold, MD 21012. [www.w2w-2.us](http://www.w2w-2.us)

**Dec. 3, 1200Z – 2300Z, W9WWI**, Sellersburg, IN. Clark County Amateur Radio Club. **Christmas in Bethlehem**. 28.400. QSL. Clark County ARC, P.O. Box 201, Sellersburg, IN 47172. [n9dprh@gmail.com](mailto:n9dprh@gmail.com) or [www.facebook.com/w9wwi](http://www.facebook.com/w9wwi)

**Dec. 3, 1400Z – 2000Z, NE1PL**, Fall River, MA. USNR. **Anniversary of the Attack on Pearl Harbor**. Phone and digital, 20 and 40 meters; other bands as operators and equipment allow. QSL. Rick Emord, 135 Wareham St., Middleboro, MA 02344. [www.ne1pl.org](http://www.ne1pl.org)

**Dec. 3 – Dec. 6, 1200Z – 0500Z, W8A**, Kent, OH. **Breweries On The Air**. 7.240 14.240 50.175. Celebrating the 21st Amendment to the US Constitution. Certificate. Thomas R. Sly, WB8LCD, 1480 Lake Martin Dr., Kent, OH 44240. [www.breweriesontheair.com](http://www.breweriesontheair.com)

**Dec. 3 – Dec. 10, 0000Z – 2359Z, W2MM**, Apopka, FL. Quarter Century Wireless Association. **75th Anniversary**. SSB: 3.810 7.244 14.262 21.365 28.325; CW: 3.540 7.035 14.040 21.050 28.050. Certificate. Larry Gabriel, K7LG, 1972 Martina St., Apopka, FL 32703. [www.qcwa.org](http://www.qcwa.org)

**Dec. 5 – Feb. 18, 0000Z – 2359Z, member's call**, various towns and locations. Quarter Century Wireless Association. **75/75 Contest Celebrating Our 75th Anniversary**. Phone and CW only on 6, 10, 15, 20, 40, 80, and 160 meters. Certificate. See website for information. *This is an operating event.* [www.qcwa.org/1-worked-75-75-members-contest.htm](http://www.qcwa.org/1-worked-75-75-members-contest.htm)

**Dec. 8 – Dec. 11, 1400Z – 2200Z, WX3MAS**, Nazareth, PA. Christmas City and Delaware-Lehigh Amateur Radio Clubs. **WX3MAS Special Event**. 3.850 7.270 14.265; CW, SSB, and digital. QSL. WX3MAS, Greystone Building, 14 Gracedale Ave., Nazareth, PA 18064. *Times may be extended if conditions permit.* <https://dlarc.club>

**Dec. 8 – Dec. 11, 1500Z – 2359Z, K5A**, Springdale, AR. Razorback Contest Club. **Final Moon Landing of Apollo 17**. 7.040 7.190 14.040 14.260. QSL. Razorback Contest Club, 3407 Diana St., Springdale, AR 72764. [rccw5yo@cox.net](mailto:rccw5yo@cox.net)

**Dec. 10, 1300Z – 1900Z, W4PCN**, Nags Head, NC. Outer Banks Repeater Association. **150th Anniversary: Lighting of Bodie Island Lighthouse**. 7.265 14.265. Certificate & QSL. OBRA SE Station, Carl Hacker, WC5WM, P.O. Box 1085, Nags Head, NC 27959. *OBRA website under reconstruction; any questions, email [wc5wm@arrl.net](mailto:wc5wm@arrl.net).*

**Dec. 10, 1700Z – 2359Z, NI6IW**, San Diego, CA. USS *Midway* (CV-41) Museum Ship. **Pearl Harbor Remembrance Day**. 7.250 14.320; 14.070 PSK31; DSTAR on PAPA repeaters. QSL. USS *Midway* Museum COMEDTRA, 910 N. Harbor Dr., San Diego, CA 92101. [www.qrz.com/db/ni6iw](http://www.qrz.com/db/ni6iw)

**Dec. 16 – Dec. 19, 0000Z – 2359Z, W1A**, Milbridge, ME. Maine Ham Radio Society. **National Wreaths Across America Day**. 7.240 14.240 21.340 28.440. QSL. Philip Duggan, 195 Kansas Rd., Milbridge, ME 04658. [www.mainehamradiosociety.com](http://www.mainehamradiosociety.com)

**Dec. 17 – Dec. 19, 0000Z – 2359Z, W4A**, Bluff City, TN. N9EN. **Edwin Howard Armstrong Commemoration Special Event**. 3.540 7.040 14.040 21.040. QSL. Brad Ambro, 1118 Walnut Grove Rd., Bluff City, TN 37618. [n9en@live.com](mailto:n9en@live.com)

**Dec. 17 – Dec. 24, 1400Z – 2300Z, KC5OUR**, Belen, NM. Valencia County Amateur Radio Association. **Christmas in Bethlehem, New Mexico**. 3.883 7.183 14.283 21.283. QSL. VCARA, P.O. Box 268, Peralta, NM 87042. [www.kc5our.com](http://www.kc5our.com)

**Dec. 26 – Dec. 31, 0000Z – 2359Z, W2T**, Trenton, NJ. Delaware Valley Radio Association. **American Revolution — Battle of Trenton**. 14.250. Certificate & QSL. DVRA, P.O. Box 7024, West Trenton, NJ 08628-0024. *Certificate of Commission in the Continental Army Signal Corps available, see website.* [www.w2zq.com](http://www.w2zq.com)

**Certificates and QSL cards:** To obtain a certificate from any of the special event stations offering them, 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 (when offered), be sure to include a self-addressed, stamped business envelope along with your QSL card and QSO information.

**Special Events Announcements:** For items to be listed in this column, use the ARRL Special Events Listing Form at [www.arrl.org/special-events-application](http://www.arrl.org/special-events-application), or email information to [events@arrl.org](mailto:events@arrl.org).

Submissions must be received by ARRL HQ no later than the 1st of the second month preceding the publication date; a special event listing for **March QST** would have to be received by **January 1**. In addition to being listed in QST, your event will be listed on the ARRL Web Special Event page. **Note:** All received events are acknowledged. If you do not receive an acknowledgment within a few days, please contact us. ARRL reserves the right to exclude events of a commercial or political nature.

You can view all received Special Events at [www.arrl.org/special-event-stations](http://www.arrl.org/special-event-stations).

## Contest Corral

# Contest Corral

# December 2022

Check for updates and a downloadable PDF version online at [www.arrl.org/contest-calendar](http://www.arrl.org/contest-calendar).

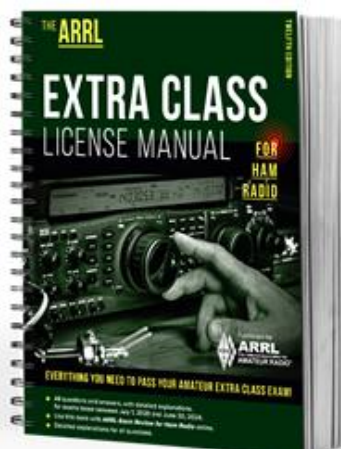
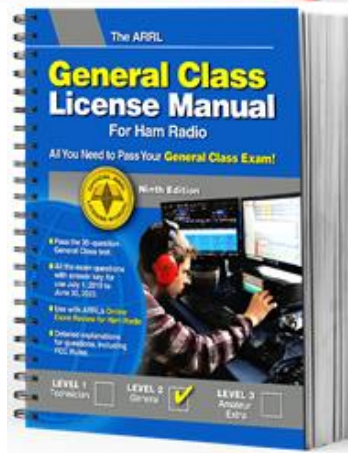
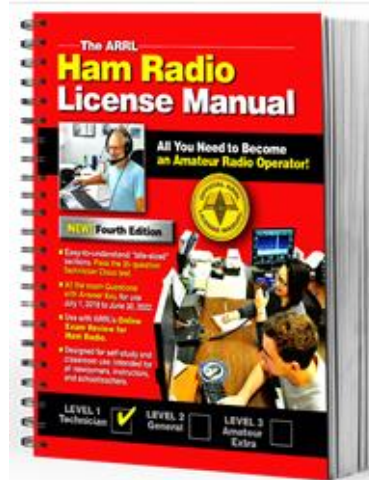
Refer to the contest websites for full rules, scoring information, operating periods or time limits, and log submission information.

| Start Date-Time | Finish Date-Time | Bands           | Contest Name                               | Mode      | Exchange                                             | Sponsor's Website                                                                                              |
|-----------------|------------------|-----------------|--------------------------------------------|-----------|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| 1 0000          | 1 300            | 1.8             | QRP ARCI Topband Sprint                    | CW        | RST, SPC, mbr or power                               | <a href="http://qrparcl.org/contest">qrparcl.org/contest</a>                                                   |
| 1 0000          | 2 300            | 7               | Walk for the Bacon QRP Contest             | CW        | Max 13 WPM; RST, SPC, name, mbr or power             | <a href="http://qrptestest.com/pigwalk40">qrptestest.com/pigwalk40</a>                                         |
| 1 0300          | 1 400            | 1.8-28          | CWops Test (CWT)                           | CW        | Name, mbr or SPC or "CWA"                            | <a href="http://cwops.org/cwops-tests">cwops.org/cwops-tests</a>                                               |
| 1 0700          | 1 800            | 1.8-28          | CWops Test (CWT)                           | CW        | Name, mbr or SPC or "CWA"                            | <a href="http://cwops.org/cwops-tests">cwops.org/cwops-tests</a>                                               |
| 1 1700          | 1 1900           | 3.5-14          | RTTYops Weeksprint                         | Dig       | Other station's call, your call, serial, name        | <a href="http://rtyops.com">rtyops.com</a>                                                                     |
| 1 2000          | 1 2200           | 1.8-28, 50      | SKCC Sprint Europe                         | CW        | RST, SPC, name, mbr or 'none'                        | <a href="http://www.skccgroup.com">www.skccgroup.com</a>                                                       |
| 2 2000          | 2 2100           | 1.8-28          | K1USN Slow Speed Test                      | CW        | Max 20 WPM, name, SPC                                | <a href="http://www.k1usn.com/sst.html">www.k1usn.com/sst.html</a>                                             |
| 2 2200          | 4 1600           | 1.8             | ARRL 160-Meter Contest                     | CW        | WVE: RST, section; DX: RST                           | <a href="http://www.arrl.org/160-meter">www.arrl.org/160-meter</a>                                             |
| 3 0600          | 3 800            | 7, 14           | Wake-Up! QRP Sprint                        | CW        | RST, serial, suffix of previous QSO                  | <a href="http://qr.ru/contest/wakeup">qr.ru/contest/wakeup</a>                                                 |
| 3 1200          | 4 1159           | 3.5-28          | PRO CW Contest                             | CW        | RST, serial, "M" if member                           | <a href="http://www.procontestclub.ro">www.procontestclub.ro</a>                                               |
| 3 1800          | 4 2359           | 3.5-28          | FT Roundup                                 | Dig       | WVE: RST, state/province; DX: RST, serial            | <a href="http://www.rtycontesting.com">www.rtycontesting.com</a>                                               |
| 5 0000          | 5 100            | 1.8-28          | K1USN Slow Speed Test                      | CW        | Max 20 WPM; name, SPC                                | <a href="http://www.k1usn.com/sst.html">www.k1usn.com/sst.html</a>                                             |
| 6 0100          | 6 159            | 1.8-28, 50      | Worldwide Sideband Activity Contest        | Ph        | RS, age group (OM, YL, Youth YL or Youth)            | <a href="http://wwsac.com/rules.html">wwsac.com/rules.html</a>                                                 |
| 6 0200          | 6 400            | 3.5-28          | ARS Spartan Sprint                         | CW        | RST, SPC, power                                      | <a href="http://arsqrp.blogspot.com">arsqrp.blogspot.com</a>                                                   |
| 6 1700          | 6 1900           | 3.5-14          | RTTYops Weeksprint                         | Dig       | Other station's call, your call, serial, name        | <a href="http://rtyops.com">rtyops.com</a>                                                                     |
| 7 0230          | 7 300            | 1.8-14, 21      | Phone Weekly Test                          | Ph        | Name, SPC                                            | <a href="http://www.perluma.com/Phone_Fray_Contest_Rules.pdf">www.perluma.com/Phone_Fray_Contest_Rules.pdf</a> |
| 7 1300          | 7 1400           | 1.8-28          | CWops Test (CWT)                           | CW        | Name, mbr or SPC or "CWA"                            | <a href="http://cwops.org/cwops-tests">cwops.org/cwops-tests</a>                                               |
| 7 1700          | 7 2100           | 144             | VHF-UHF FT8 Activity Contest               | Dig       | 4-char grid square                                   | <a href="http://www.ft8activity.eu/index.php/en">www.ft8activity.eu/index.php/en</a>                           |
| 7 1900          | 7 2000           | 1.8-28          | CWops Test (CWT)                           | CW        | Name, mbr or SPC or "CWA"                            | <a href="http://cwops.org/cwops-tests">cwops.org/cwops-tests</a>                                               |
| 8 1700          | 8 1900           | 3.5-14          | RTTYops Weeksprint                         | Dig       | Other station's call, your call, serial, name        | <a href="http://rtyops.com">rtyops.com</a>                                                                     |
| 10 0000         | 11 2359          | 28              | ARRL 10-Meter Contest                      | CW Ph     | WVE/XE: RST, state/province; DX: RST, serial         | <a href="http://www.arrl.org/10-meter">www.arrl.org/10-meter</a>                                               |
| 10 0000         | 12 2359          | 1.8-7           | PODXS 070 Club Triple Play Low Band Sprint | Dig       | RST, SPC                                             | <a href="http://www.podxs070.com">www.podxs070.com</a>                                                         |
| 10 0600         | 11 1800          | 1.8-28          | TRC Digi Contest                           | Dig       | RST, serial, "TRC" if member                         | <a href="http://trodx.org/rules-trc-digi">trodx.org/rules-trc-digi</a>                                         |
| 10 1200         | 11 2359          | 1.8-28, 50      | SKCC Weekend Sprintathon                   | CW        | RST, SPC, name, member or "none"                     | <a href="http://www.skccgroup.com">www.skccgroup.com</a>                                                       |
| 10 1300         | 11 1300          | 3.5, 7          | ARI 40/80 Contest                          | CW Ph Dig | RS(T), 2-letter province code                        | <a href="http://www.ari.it/en/contest-hf">www.ari.it/en/contest-hf</a>                                         |
| 10 1600         | 11 1559          | 3.5-28          | International Naval Contest                | CW Ph     | RS(T), mbr (and club) or serial                      | <a href="http://www.marinefreunde.com">www.marinefreunde.com</a>                                               |
| 11 2000         | 11 2300          | 1.8-28          | QRP ARCI Holiday Spirits Sprint            | CW        | RST, SPC, mbr or power                               | <a href="http://qrparcl.org/contest">qrparcl.org/contest</a>                                                   |
| 11 2100         | 11 2259          | 14              | CQC Great Colorado Snowshoe Run            | CW        | RST, SPC                                             | <a href="http://www.coloradoqrpclub.org/contests">www.coloradoqrpclub.org/contests</a>                         |
| 12 0100         | 12 300           | 1.8-28          | 4 States QRP Group Second Sunday Sprint    | CW Ph     | RS(T), SPC, mbr or power                             | <a href="http://www.4sqrp.com">www.4sqrp.com</a>                                                               |
| 14 0130         | 14 330           | 3.5-14          | NAQCC CW Sprint                            | CW        | RST, SPC, mbr or power                               | <a href="http://naqcc.info">naqcc.info</a>                                                                     |
| 14 1700         | 14 2100          | 432             | VHF-UHF FT8 Activity Contest               | Dig       | 4-char grid square                                   | <a href="http://www.ft8activity.eu/index.php/en">www.ft8activity.eu/index.php/en</a>                           |
| 15 0000         | 16 300           | 14              | Walk for the Bacon QRP Contest             | CW        | Max 13 WPM; RST, SPC, mbr or power                   | <a href="http://qrptestest.com/pigwalk20">qrptestest.com/pigwalk20</a>                                         |
| 16 1600         | 16 1700          | 3.5, 7          | AGB-Party Contest                          | CW Ph Dig | RST, serial, mbr (if member)                         | <a href="http://www.ev5agb.com/contest/agb_party.htm">www.ev5agb.com/contest/agb_party.htm</a>                 |
| 16 1800         | 16 2200          | 1.8             | Russian 160-Meter Contest                  | CW Ph     | RS(T), oblast code or serial                         | <a href="http://www.topband.ru/rules.htm">www.topband.ru/rules.htm</a>                                         |
| 17 0000         | 17 2359          | 1.8-28, 50      | Feld Hell Sprint                           | Dig       | RST, mbr, SPC, grid                                  | <a href="http://sites.google.com/site/feldhellclub">sites.google.com/site/feldhellclub</a>                     |
| 17 0000         | 17 2359          | 3.5-28          | OK DX RTTY Contest                         | Dig       | RST, CQ Zone                                         | <a href="http://okrtty.crk.cz/index.php?page=english">okrtty.crk.cz/index.php?page=english</a>                 |
| 17 0000         | 17 2359          | 1.8-28, 50, 144 | RAC Winter Contest                         | CW Ph     | VE: RS(T), province/territory; Non-VE: RS(T), serial | <a href="http://www.rac.ca/contesting-results">www.rac.ca/contesting-results</a>                               |
| 17 1400         | 18 1400          | 1.8-28          | Croatian CW Contest                        | CW        | RST, serial                                          | <a href="http://9acw.org/index.php/rules">9acw.org/index.php/rules</a>                                         |
| 17 1500         | 18 1500          | 1.8             | Stew Perry Topband Challenge               | CW        | 4-char grid square                                   | <a href="http://www.kkn.net/stew">www.kkn.net/stew</a>                                                         |
| 18 1800         | 18 2359          | 3.5-28          | ARRL Rookie Roundup, CW                    | CW        | Name, 2-digit year first licensed, SPC               | <a href="http://www.arrl.org/rookie-roundup">www.arrl.org/rookie-roundup</a>                                   |
| 18 2300         | 19 100           | 1.8-28          | Run for the Bacon QRP Contest              | CW        | RST, SPC, mbr or power                               | <a href="http://qrptestest.com/pigrun">qrptestest.com/pigrun</a>                                               |
| 21 0130         | 21 330           | 3.5-14          | NAQCC CW Sprint                            | CW        | RST, SPC, mbr or power                               | <a href="http://naqcc.info">naqcc.info</a>                                                                     |
| 21 1700         | 21 2100          | 1.2 G           | VHF-UHF FT8 Activity Contest               | Dig       | 4-char grid square                                   | <a href="http://www.ft8activity.eu/index.php/en">www.ft8activity.eu/index.php/en</a>                           |
| 25 0000         | 25 1159          | 3.5-28          | RAEM Contest                               | CW        | Serial, latitude and longitude (e.g., 57N 85O)       | <a href="http://raem.srr.ru/rules">raem.srr.ru/rules</a>                                                       |
| 26 0830         | 26 1059          | 3.5, 7          | DARC Christmas Contest                     | CW Ph     | RS(T), DOK (or "NM" if not a DARC member), serial    | <a href="http://www.darc.de/der-club/referate/conteste">www.darc.de/der-club/referate/conteste</a>             |
| 28 0000         | 28 200           | 1.8-28, 50      | SKCC Sprint                                | CW        | RST, SPC, name, mbr or 'none'                        | <a href="http://www.skccgroup.com">www.skccgroup.com</a>                                                       |
| 30 1200         | 30 2359          | 3.5-28          | YOTA Contest                               | CW Ph     | RS(T), age (avrg age for multi-ops)                  | <a href="http://www.ham-yota.com/contest">www.ham-yota.com/contest</a>                                         |
| 31 0900         | 31 2359          | 3.5, 7          | Bogor Old and New Contest                  | Ph        | RS, operator age                                     | <a href="http://www.orari-bogor.org">www.orari-bogor.org</a>                                                   |

There are a number of weekly contests not included in the table above. For more info, visit [www.qrpxhunt.org](http://www.qrpxhunt.org), [www.nccsprint.com](http://www.nccsprint.com), and [www.cwops.org](http://www.cwops.org). All dates and times refer to UTC and may be different from calendar dates in North America. Contests are not conducted on the 60-, 30-, 17-, or 12-meter bands. Mbr = Membership number. Serial = Sequential number of the contact. SPC = State, Province, DXCC Entity. XE = Mexican state. Listings in blue indicate contests sponsored by ARRL or NCJ. The latest time to make a valid contest QSO is the minute listed in the "Finish Time" column. Data for Contest Corral is maintained on the WA7BNM Contest Calendar at [www.contestcalendar.com](http://www.contestcalendar.com) and is extracted for publication in QST 2 months prior to the month of the contest. ARRL gratefully acknowledges the support of Bruce Horn, WA7BNM, in providing this service.

## Upcoming FCC Exam Session Preparation Sites

(None within 250 miles of 93001 on the ARRL Website)



## Upcoming FCC Exam Test

Van Nuys CA 91405-4542

12/03/2022

**Sponsor:** ARES LAX

**Date:** Dec 03 2022

**Time:** 10:30 AM (Walk-ins allowed)

**Contact:** James W. Laage  
(818) 368-8710

**Email:** [cllaage@gmail.com](mailto:cllaage@gmail.com)

**VEC:** [ARRL/VEC](#)

**Location:** Valley Presbyterian Hospital  
(Health Education Center)

15107 VanOwen Street

Van Nuys CA 91405-4542



## Thousand Oaks CA 91360-6861

12/11/2022

**Sponsor:** Conejo Valley ARC

**Date:** Dec 11 2022

**Time:** 8:30 AM (No Walk-ins / Register or  
Call ahead)

**Contact:** Andrew G. Ludlum  
(818) 370-3402

**Email:** [K6AGL@cvarc.org](mailto:K6AGL@cvarc.org)

**VEC:** [ARRL/VEC](#)

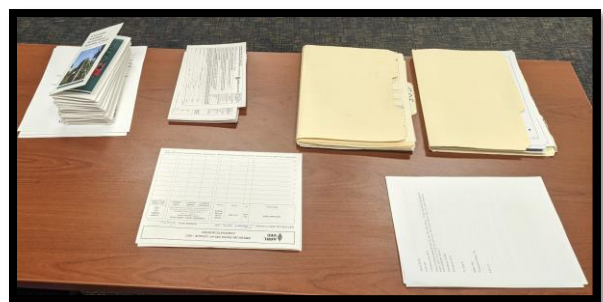
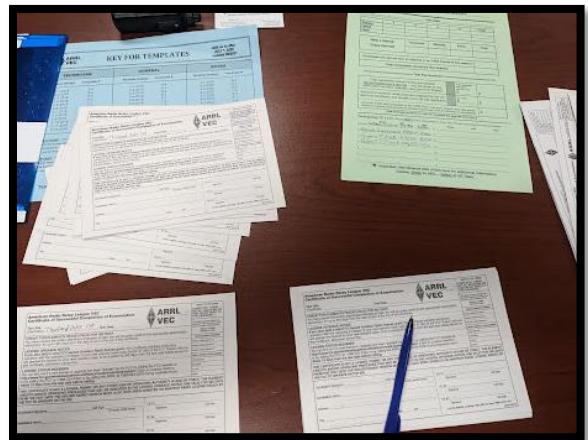
**Location:** East County Sheriff's Station,  
Community Room

2101 E Olsen Rd

Pre-registration required

Thousand Oaks CA 91360-6861

**Website:** <http://www.cvarc.org/upcoming-ve-sessions/>



## On Exam Day Bring the Following Items:

### 1. MANDATORY BEFORE THE EXAM

FCC Registration Number (FRN): Examinees 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 [CORES Registration](#) page and the [FCC's Registration instructions](#) page. Per FCC rules, a valid **email address** is also **mandatory** on the application form to receive FCC correspondence, including the official copy of your Amateur Radio license

### 2. 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

### 3. 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.

4. 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. ARRL will cover the one-time FCC application fee for new license candidates younger

than 18-years old for tests administered under the ARRL VEC program. Candidates younger than 18-years old would pay a reduced exam session fee of \$5 to the ARRL VEC VE team at the time of the exam. *Minor children (under the age of 18) may be accompanied in the room by an adult during the test.*

5. If applicable, bring a printed copy of your Amateur Radio license or be able to show proof of the license in the official [FCC database](#). 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.

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)

9. Be aware that some information about you will be made publicly available on the FCC's website ([FCC Licensee Privacy](#)) including a felony conviction status. All applicants must answer the Basic Qualification Question (felony conviction status question) on the 605 Form at the exam session. Applicants that answer "YES" for the question must follow these FCC procedures: FCC qualification question instructions

## 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  
TI = Talk-in frequency  
Adm = Admission

Alabama (Locust Fork) — Jan. 7 **D F H R T V**  
8 AM – noon. Spr: Blount County ARC. Locust Fork High School, 77 School Rd. TI: 147.800 (91.5 Hz). Adm: Free. [www.w4bt.org](http://www.w4bt.org)

Louisiana (Minden) — Dec. 17 **D F H R S V**  
7:30 AM – 2 PM. Spr: Minden ARA. Minden Civic Center, 520 Broadway St. TI: 147.300 (no tone). Adm: \$5. [www.n5rd.org](http://www.n5rd.org)

#### VIRTUAL ARRL NEW YORK CITY- LONG ISLAND SECTION CONVENTION

January 7, Online

**S**  
7:30 AM, forums start at 9 AM. Spr: Ham Radio University. Adm: Free. [www.hamradiouniversity.org](http://www.hamradiouniversity.org)

#### To All Event Sponsors

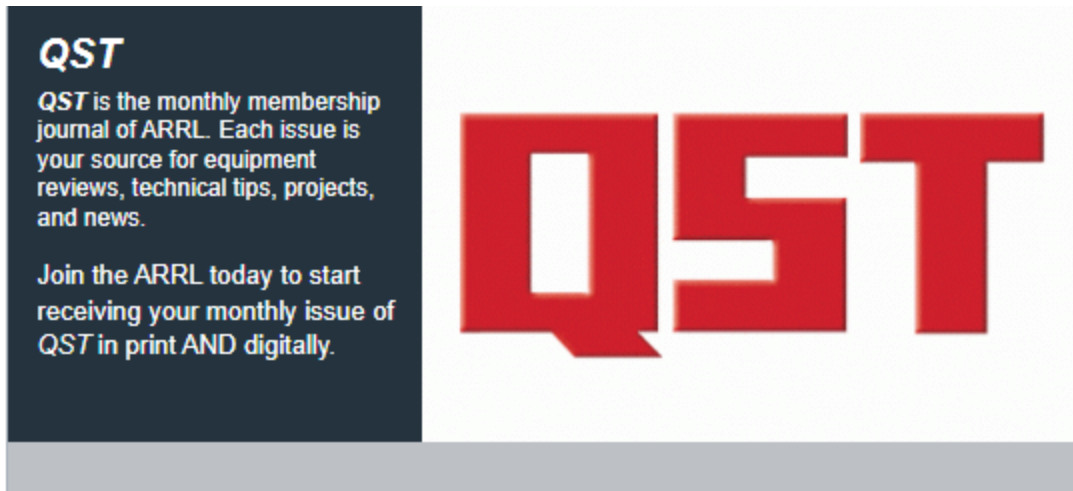
Before making a final decision on a date for your event, you are encouraged to check the Hamfest and Convention Database ([www.arrl.org/hamfests-and-conventions-calendar](http://www.arrl.org/hamfests-and-conventions-calendar)) for events that may already be scheduled in your area on that date. You are also encouraged to register your event with HQ as far in advance as your planning permits. See [www.arrl.org/hamfest-convention-application](http://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 **January 1** to be listed in the **March** 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](mailto:ads@arrl.org).





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