

VALLEY HAM NEWS

September 2020

YSARC Web Page: <http://www.ysarc.net>
Y-S ARES Web Page: <http://www.ysares.org>

P.O. Box 1169
Yuba City, California 95992

September 2020

Editors: Curtis R. Sylvester-José, KF6VFP Webmasters: Kevin Klatt, KM6WFW
 Marsha L. Sylvester-José, KI6CSN Club Callsign: W6KJ
Telephone: 530-743-3003
E-Mail: Curtis at KF6VFP@arrl.net
 Marsha at KI6CSN@arrl.net

CLUB OFFICERS 2020

Pres.: Daniel Weber, KM6RHC
Vice Pres.: Mike Morris, KK6ISQ
Secretary: Linda Maas, KK6SOZ
Treasurer: June McJunkin, N6JEY

03 Nov – Board Meeting
17 Nov – General Meeting, Election
and Budget Approval

BOARD OF DIRECTORS 2020

Joe Visalli, N9BD
Chris McLain, KK6VZD
Brandon Guthrie, KM6JID
Kevin Klatt, KM6WFW
Vandell “Bud” Myers, KK1BUD
Herb Puckett, W6HBU

YSARC Weekly Breakfast
Wednesday mornings – Cancelled
until further notice

REPEATER TRUSTEE

Dave Gartner, WD6AXM

Local Nets

Monday night at 7:00 P.M. – weekly
net (146.085+) PL 127.3 with swap shop
and help sessions.

Monday night at 8:00 P.M. – **Butte
County ARES net** (145.280–), PL 110.9

Tuesday night at 8:00 P.M. – **GEARS
Club net**, (146.850–), PL 110.9

Thursday night at 7:00 P.M. weekly –
ARES net (146.085+) PL 127.3.

Third Thursday of each month at
7:30 P.M. – the ARRL Sacramento
Valley Section (VHF) Net, on club
repeater followed by an HF Net on 3987
KHz LSB.

Sunday night at 8:00 P.M. – **OARS
Net** (146.655-), PL 136.5.

Other nets (From the GEARS
Radiator Newsletter)

UPCOMING EVENTS

06 Oct – Board Meeting
10 Oct – 3F Century Ride
20 Oct – General Club Meeting (via
Zoom?)

VALLEY HAM NEWS

May 2020

Sac Valley Net: 7:00 P.M., 2nd Wed of the month (146.850-), PL 110.9

440 Wed. Night Net: 8:00 P.M. each Wednesday, 440.650 MHz.

Golden Bear Net: 7:00 P.M. daily 3975 kHz.

Willie Net: 8:00 P.M. Mondays, 1930 kHz.

CA Traffic Net: 3906 kHz nightly at 6:00 P.M. for traffic listing and 6:30 P.M. for roll call.

California TALARC (The American Legion Amateur Radio Club) net. Sunday at 1:00 P.M. weekly on 7278 KHz.

5-MHZ INTEROPERABILITY CHANNELS DESIGNATED FOR WILDFIRES AND HURRICANE SALLY RESPONSE

ARLB022 16 Sep 2020

“SB QST ARL ARLB022

ARLB022 5-MHz Interoperability Channels Designated for Wildfires and Hurricane Sally Response

The Federal Emergency Management Agency (FEMA) has announced that two 60-meter channels have been made available, as necessary, for interoperability between US Government stations and US amateur radio stations involved in emergency communications related to the wildland firefighting response in California, Oregon, and Washington, and to Hurricane Sally. These interoperability channels will remain active until the need for these channels no longer exists:

* Channel 1 - primary voice traffic 5332 kHz channel center, 5330.5 kHz USB voice.

* Channel 2 - digital traffic 5348 kHz channel center, 5346.5 kHz USB with 1.5-kHz offset to center of digital waveform.

Frequencies may be modified or added to by FEMA Region 10 for their area or operations due to existing 5-MHz/60-meter interoperability plans for their region.

Amateur radio is secondary on the 5-MHz band and should yield to operational traffic related to wildland firefighting and hurricane response. Although the intended use for these channels is interoperability between federal government stations and licensed US amateur radio stations, federal government stations are primary users and amateurs are secondary users.

The Military Auxiliary Radio System (MARS - <https://netcom.army.mil/mars/>) is following FEMA's lead on the interoperability channel designations for the wildfire and hurricane response. Army MARS Program Manager Paul English, WD8DBY, says he has alerted all MARS members of the FEMA channel designations and MARS members are prepared to support response efforts as needed.

NNNN”

UPCOMING WEBINARS

To register for these classes, sign in to: www.arri.org. Click on: **Webinars**.

VALLEY HAM NEWS

May 2020

Enter your call sign and password.

WELCOME TO THE WORLD OF ARDUINO

This is a free introduction to micro-controllers and Open Source hardware and software. The Arduino is an inexpensive microcontroller that has become popular among electronics hobbyists and ham radio operators. Hams use these powerful devices to create new projects and amateur station gear.

Projects can be built quickly and used as-is, or they can be expanded and enhanced with your own personal touches.

Thursday, October 15, 2020, 5 PM PDT / 8 PM EDT (0000 UTC on Friday, October 16)

Previous recorded webinars from July to September are also available.
~Marsha (KI6CSN)

CA QSO

The California QSO Party (CQP) is held every year on the first weekend of October. The first CQP took place in 1966. Since 1974, the Northern California Contest Club ([NCCC](#)) has sponsored CQP. CQP has traditionally opened the annual contest season by providing an opportunity for contesters to prepare for the ARRL November Sweepstakes since the format is similar.

Stations that are outside California work stations in California only. The 58 counties of CA are the [multipliers](#). California stations work all stations in or

out of CA. The 50 US states and 8 Canadian areas are the multipliers. Stations outside of Canada and the US add to one's QSO total but do not count as multipliers. See the full set of [CQP Rules](#) for more details.

For more information go to the California QSO Party website at [cqpc.org](#).

TEST YOUR KNOWLEDGE

1. A plated through hole that is used as an inter-layer connection, but doesn't have component lead or other reinforcing material inserted in it. ____ (3 letters)
2. The International System of Units (SI or metric) unit of conductance. _____ (7 letters)
3. A soldering process wherein assembled printed boards are brought in contact with a continuously flowing and circulating mass of solder. ____ (4 letters)
4. The International System of Units (SI or metric) unit of electrical resistance ____ (3 letters)
5. A band of wire removes molten solder away from a solder joint or a solder bridge or just for desoldering. _____ (2 words, 10 letters)
6. A type of solder that does not go thru a plastic state, melts and solidifies at a single temperature that is lower than the melting points of the

VALLEY HAM NEWS

May 2020

- separate constituents or of any other mixture of them _____ (8 letters)
7. An insulating medium which occupies the region between two conductors. _____ (10 letters)
8. The International System of Units (SI or metric) unit of inductance. _____ (5 letters)
9. The SI unit of electric charge. _____ (7 letters)
10. The International System of Units (SI or metric) unit of electrical capacitance. _____ (5 letters)
11. Usually measured in hertz. _____ (9 letters)
12. The International System of Units (SI or metric) unit of magnetic flux. _____ (5 letters)
13. The International System of Units (SI or metric) unit of magnetic flux density _____ (5 letters)
14. The International System of Units (SI or metric) unit of power. _____ (4 letters)
15. The International System of Units (SI or metric) unit of work or energy _____ (5 letters)
16. One of three elements of a Yagi or Quad antenna _____ (6 letters)
17. One of three elements of a Yagi or Quad antenna _____ (8 letters)
18. One of three elements of a Yagi or Quad antenna _____ (9 letters)
19. Italian electrical engineer; the father of radio. (last name) _____ (7 letters)
20. The SI unit of electromotive force. _____ (4 letters)
21. A unit of measurement of a battery's electrical storage capacity ____ - _____ (2 words, 7 letters)
22. A highly directional radio antenna made of several short rods mounted across an insulating support and transmitting or receiving a narrow band of frequencies. _____ (4 letters)
23. The PAVE PAWS radar uses this type of antenna _____ (2 words, 11 letters)
24. A closed-circuit antenna is a type of _____ antenna. (4 letters)
25. Radio waves are _____ thru the air. (10 letters)
26. Type of chart used to diagram antenna patterns _____ (5 letters)
27. It is not an ohm it is a ____ (3 letters) mho
28. If it is not pure resistance then it is called _____. (9 letters)
29. Q code meaning "Calling all hams." ____ (3 letters)
30. What is the polarization of an electromagnetic wave if its magnetic field is parallel to the surface of the earth _____ (10 letters)
31. What is the polarization of an electromagnetic wave if its magnetic field is perpendicular

VALLEY HAM NEWS

May 2020

- to the surface of the earth
_____ (8 letters)
32. A time based test instrument
that shows the shape and
magnitude of the waveform.
_____ (12 letters)
33. The electrical field and the
magnetic field are
_____ to each
other. (13 letters)
34. A _____ Analyzer displays
signals in the frequency
domain. (8 letters)
- Answers at the end of the newsletter

3F BIKE RIDE



The 3F Century Bike Ride is scheduled for Sat., Oct 10th this year. Our POC is Chris McLain (KK6VZD). To date he has the following positions filled:

This is the current volunteer / assignments list (Definitely subject to change)

Coordinator – Chris / K6VZD

Net Control – Bill / WA6OHP

Alternate Net Control – Curtis / KF6VFP (From Home)

- SAG 1 Joseph Peterson / KF6JFP
SAG 2 Neil Bossard / N6CNY
SAG 3 Kevin Klatt / W6WFW
SAG 4 Paul Lusk / K6WAP
SAG 5 Robert Kelly / K6VNR

SAG 6 Daniel Weber / KM6RHC

RS 1 Brandon Guthrie / KM6JID

RS 2 David McLain / KK6VZA (AM)

RS 3 Linda Maas / KK6SOZ (AM)

RS 4 John Rogers / KI6UDF (PM)

Alternates (in case someone else has to drop out)

KJ6IYM / Andy

KJ6DKM / Leroy

VERY IMPORTANT!! Please let me know, as soon as you can, if you are still available or not to work this event. If not, I'll have to try and round up some extra help pretty quickly. If I can get some more SAG volunteers I can hopefully adjust the SAG routes and shorten some of the sections. I looked up the stats for SAG route 5 (or 6, I don't remember) and that route covers 34 miles!! Would really like to shorten that if we could.

According to my contact, Dave, the routes and rest stops (4) will be the same EXCEPT FOR the fact that the start and end of the ride has been moved from the Colusa County Fairgrounds to the Scout Building in Colusa, which is at 901 Parkhill Street in Colusa. This is just a short distance from the Fairgrounds so the alteration to the starting and ending location is negligible.

In the next week, I will (should be) working feverishly to make sure the maps and documents we need are brought up to date. I will try to get them out to you as soon as possible. Until I do so I am attaching some documents from 2019's 3F Century so you can

VALLEY HAM NEWS

May 2020

familiarize yourself with the information that will be passed out.

I have asked Dave for information on how they are going to handle the COVID-19 / Social Distancing aspect so we will be prepared to act accordingly.

Chris (KK6VZD)

CLUB STORE

The club has the following items available for purchase at cost.

1. PL295 Coax connectors, 29 each. Cost is \$1.84 each.
2. RG8X reducers, 51 each. Cost is \$0.64 each.
3. Power Pole connectors, 25 red/ black pairs. Cost is \$1.00 per pair.
4. RG8X strain relief boots, 5 each. Cost is \$0.50 each.
5. RG8X Black Coax, 1 spool 185 feet, 1 spool 210 foot feet. Cost is \$0.39 per foot.
6. BNC Female to SMA Female Adapter, 7 each. Cost is \$3.50 each.
7. Red/Black Power Cable, 45 feet. Cost is \$1.38 per foot.
8. LMR240 Double Shielded Coax, 584 feet. Cost is \$0.26 per foot.
9. Dacron rope, 3/16" 770 pound pull strength. About 800 feet. Cost is \$0.15 per foot.
10. RCA Male to BNC Female Adapters, 5 each. Cost is 2.00 each.
11. BNC Male Crimp 20 each. Cost is 2.00 each.

12. BNC Male to Male Adapter 3 each. Cost is 3.00 each.
13. SO-239 to SO-239 4 each. Cost is 2.00 each.
14. TNC Male Crimp 10 each. Cost is 2.50 each.
15. BNC Male to RCA Female Adapter 7 each. Cost is 2.00 each.

If you are interested in purchasing any of these items contact the club store manager, Curtis (KF6VFP) at (530) 743-3003, by email at KF6VFP@arrl.net, on the air, or at one of the club meetings.

MT. VACA WILDFIRE

On 18 Aug, 2020, the LNU Complex Fire damaged incoming power poles and hard line feeders to antennas at the Mt. Vaca repeater site. The site is located at 2,819 ft. above sea level.

No damage was sustained at the cinder block repeater building.

The Mt. Vaca site houses several repeaters reaching northern California and Nevada.

MONDAY NIGHT NET CONTROL

Manna (KA6ETB) has again volunteered to coordinate the Monday Night Net Control operators. To date she has the following:

2020		
Oct	Chris	KK6VZD
Nov	Mike	N6MRB
Dec	Manna	KA6ETB
2021		
Jan		
Feb	Joseph	K6JFP

VALLEY HAM NEWS

May 2020

Mar		
Apr		
May		
Jun		
Jul		
Aug		

You'll notice that we have volunteers for the remainder of 2020. Volunteers for 2021 are needed.

Thanks to all who have volunteered.

Manna (KA6ETB)

FOR SALE

Herb (W6HBU) has for sale:

1. 2012 iMac for **\$350.00**. Operating system 10.11.6 OS X El Capitan, 2.8 GHz, 4 GB RAM, 320 GB harddrive, 3 USB ports, 24 inch display, CD-DVD Superdrive, mini display port, 10/100/1000 ethernet, audio in/optical digital audio in port, headphone out/optical digital audio out port, firwire 400 port, firewire 800 port, keyboard and mouse.
2. MFJ1704 quad antenna switch for \$70.00
3. MFJ 1702 dual antenna switch for \$40.00



iMac for sale

Contact Curtis (KF6VFP) if you wish at KF6VFP@arrl.net to purchase these items.

A NanoVNA vector network analyzer (including carrying case and stylus) for \$40.00. Great for checking your antennas, feed lines and baluns. 50 Hz - 900 MHz capacity, 2.8 inch touch screen display. Purchased this mid-July this year, only selling because I upgraded to a larger screen and a wider frequency range. Would be a great addition to any go-box.

Check this Amazon page for more details:

https://www.amazon.com/gp/product/B07TLL8DGM/ref=ppx_yo_dt_b_asin_title_o07_s00?ie=UTF8&psc=1

VALLEY HAM NEWS

May 2020



NanoVNA vector network analyzer

Contact Chris (KK6VZD) at kk6vzd@arrl.net if you wish to purchase this analyzer.

OCTOBER QSO AND OTHER CONTESTS

Oct 03 – CA QSO Party; CW, Phone

Oct 03 – Oceania DX Contest;

Phone

Oct 10 – ARRL EME Contest; CW,

Phone, Digital

Oct 10 – NV QSO Party; CW, Phone

Oct 10 – AZ QSO Party; CW, Phone,

Digital

Oct 10 – PA QSO Party; CW, Phone

Oct 10 – SD QSO Party; CW, Phone

Oct 10 – Oceania DX Contest; CW

Oct 17 – NY QSO Party; CW, Phone,

Digital

Oct 18 – IL QSO Party; Phone

Oct 18 – Asia-Pacific Fall Sprint; CW

Oct 19 to 23 – ARRL School Club Roundup; CW, Phone; for more information go to arrl.org/school-club-roundup

Oct 24 – CQ Worldwide DX Contest, SSB; Phone

Many others can be found at: [http://www.arrl.org/files/file/Contest/Corral/2020/October 2020 Corral.pdf](http://www.arrl.org/files/file/Contest/Corral/2020/October%202020%20Corral.pdf)

VE TEST SESSION

At the last VE session there were 6 new Technicians and 1 upgrade to General. Congratulations to

Michael Ganschaw (KN6KWJ),

Brain Meux (KN6KWK),

Clayton Crabtree ((KN6KWL),

Daniel Azavedo (KN6KWM),

Brett Begley (KN6KWN), and

Zach Barlow (KN6KWO) who passed their Technician exams and to

Virginia Gerard (KN6JZW) who upgraded to General.

The next VE session is scheduled for Nov 7th at 715 King Ave., Yuba City at 9:00 A.M. VE's are needed to administer the exam. The elements for Technician, General, and Extra class will be offered.

The exam requires two forms of ID. At least one of them must be a picture ID. A fee of \$15.00 is required.

A calculator may be used as long as it has had all of its memories cleared and there are no built in or preprogrammed formulas.

Upgrades to a higher class also require two forms of ID. At least one of them must be a picture ID. Also, bring your license and a photocopy of the license.

If you take an exam and pass, you can take the next higher class exam for no additional cost.

If you do not pass and wish to try again an additional fee will be required.

Good luck to everyone taking exams.

VALLEY HAM NEWS

May 2020

BOARD MEETINGS

Our next board meeting is to be determined. At present the American Red Cross classroom we used is closed until further notice. Once things return to some semblance of normality the date will be in the VHN, an email from Daniel (KM6RHC) and announced on the Monday Night Net. Check in on Monday at 1900 (7:00 P.M.) for further information. Guaranteed you cannot catch the virus via radio.

COMMENTS

✓YSARC's web page is: ysarc.net.

Past and current issue's of the VHN are available on this website.

Click on the upper right-hand icon on the homepage to join the club's **Facebook** page.

✓Send your ham related articles and pictures to share in your VHN. Pictures of ham shacks, antenna projects, antenna parties, field day, Bike Around the Buttes, etc. are appreciated KI6CSN@arrl.net or KF6FVP@arrl.net

✓For more information about QSO parties state by state: ysarc.net - Event - [State QSO Party Calendar](#).

ANSWERS TO TEST YOUR KNOWLEDGE

1. Via
2. Siemens
3. Wave
4. Ohm
5. Solder Wick
6. Eutectic
7. Dielectric

8. Henry
9. Coulomb
10. Farad
11. Frequency
12. Weber
13. Tesla
14. Watt
15. Joule
16. Driven
17. Director
18. Reflector
19. Marconi
20. Volt
21. Amp-hour
22. Yagi
23. Phased Array
24. Loop
25. Propagated
26. Smith
27. Mho
28. Impedance
29. QST
30. Horizontal
31. Vertical
32. Oscilloscope
33. Perpendicular
34. Spectrum

VALLEY HAM NEWS

May 2020



Yuba-Sutter Amateur Radio Club Board of Directors Meeting Minutes February 20, 2020 Red Cross Building, 2125 E Onstott Rd, Yuba City, CA 95991



Meeting called to order by Vice President Mike Morris KK6ISQ at 19:02 hours.

Officers and Board Members present unless noted:

President: Daniel Weber KM6RHC -
absent
Vice President: Mike Morris KK6ISQ
Secretary: Linda Maas KK6SOZ
Treasurer: June McJunkin N6JEY

Director: Joe Visalli N9BD
Director: Chris McLain KK6VZD
Director: Bud Myers KK1BUD
Director: Brandon Guthrie KM6JID
Director: Kevin Klatt KM6WFW

Members and Guests present: Curtis Sylvester-Jose KF6VFP, Udell and LeRoy Smith KJ6DKM, Ken Whitsett K6AOQ, and Bob McClard N6BOB

Secretary's Report:

- Motion to accept January 16, 2020 board meeting minutes as written, Brandon/Joe, passed.
- Motion to accept new member Steve Warren WA1REN, Kevin/Brandon, passed.
- We received a thank you letter from Yuba-Sutter Food Bank for the \$100 donation for Santa last December.

Treasurer's Report:

- June provided the Financial Report for February 20, 2020. Motion to approve, Bud/Chris, passed.
- June will initiate the process to have the bank add Daniel and remove Chris as signers on the account.

Old Business

- 3F Century Bike Ride – Chris looking for more volunteers. Bill WA6OHP will be net control.
- Bike around the Buttes – Still need a few more SAGs. Motion to allocate \$100 for 20 magnetic signs with our logo for SAG vehicles, Joe/Kevin, passed.
- Website – Joe will talk to Kevin K1KMC about releasing the domain name to us.
- Technician class – 5 students will complete the class and test in March.
- School Roundup was cancelled. Sutter HS will reschedule for later.

New Business

- March club meeting idea: Resources on the internet – logging programs, eHam.net, and other useful sites.
- Chris will try to post more upcoming ARRL contests on the Facebook page.
- Field Day – alternative locations discussed: Sycamore Ranch, Lions Club in Loma Rica
- Antenna workshop – Curtis volunteered to host it again. What kind of antennas do we want to

VALLEY HAM NEWS

May 2020

make?

Motion to adjourn at 19:55 hours, Chris/Joe, passed.

Respectfully submitted by Linda Maas KK6SOZ, YSARC Secretary