

VALLEY HAM NEWS

December 2016

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

P.O. Box 1169
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December 2016

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CLUB OFFICERS 2016

Pres.: Vacant
Vice Pres.: Eleanor Knox, KI6CSO
Secretary: Linda Maas, KK6SOZ
Treasurer: June McJunkin, N6JEY

CLUB OFFICERS 2017

Pres.: Chris McLain, KK6VZD
Vice Pres.: Eleanor Knox, KI6CSO
Secretary: Linda Maas, KK6SOZ
Treasurer: June McJunkin, N6JEY

BOARD OF DIRECTORS 2016

Joe Visalli, N9BD
Kathy Burns, N7WVW
Manna Whelchel, KA6ETB
Matthew den Hollandar, AC6MF
Lester Allan, KK6SYV
Herb Pucket, W6HBU

BOARD OF DIRECTORS 2017

Joe Visalli, N9BD
Kathy Burns, N7WVW
Manna Whelchel, KA6ETB
Matthew den Hollandar, AC6MF
Mark Peters, KA6FFM
Herb Pucket, W6HBU

REPEATER TRUSTEE

Dave Gartner, WD6AXM

LIAISONS

ARES: Steve Sweetman, K6TAZ
ARRL SM: Carol Milazzo, KP4MD
VE Liaison: LeRoy Smith, KJ6DKM

UPCOMING EVENTS

02 Jan – 6:30 P.M. Technician class
03 Jan – 7:00 P.M. General Club
Meeting, Sierra-Nevada Room, Caltrans
Building, 703 B Street, Marysville
07 Jan – 9:00 A.M., VE Test, 715
King Ave. Yuba City
18 Jan – 7:00 P.M. Board Meeting,
Caltrans Building, 703 B Street,
Marysville
07 Feb – 7:00 P.M. General Club
Meeting, Sierra-Nevada Room, Caltrans
Building, 703 B Street, Marysville
15 Feb – 7:00 P.M. Board Meeting,
Caltrans Building, 703 B Street,
Marysville
04 Mar – 9:00 A.M., VE Test, 715 King

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Ave. Yuba City

07 Mar – 7:00 P.M. General Club Meeting, Sierra-Nevada Room, Caltrans Building, 703 B Street, Marysville

15 Mar – 7:00 P.M. Board Meeting, Caltrans Building, 703 B Street, Marysville

04 Apr – 7:00 P.M. General Club Meeting, Sierra-Nevada Room, Caltrans Building, 703 B Street, Marysville

08 Apr – Bike Around the Buttes

19 Apr – 7:00 P.M. Board Meeting, Caltrans Building, 703 B Street, Marysville

02 May – General Meeting

06 May – 3F Bike Ride

06 May – VE Session

17 May Board Meeting

06 Jun – General Meeting

21 Jun – Board Meeting

24-25 Jun – ARRL Field Day

11 Jul – General Meeting

08 Jul – VE Session

19 Jul – Board Meeting

01 Aug – General Meeting

16 Aug – Board Meeting

02 Sep – VE Session

05 Sep – General Meeting

20 Sep – Board Meeting

03 Oct – General Meeting

07-08 Oct – CA QSO

18 Oct – Board Meeting

20-22 Oct – Pacificon

04 Nov – VE Session

07 Nov – Election of Officers and Budget Approval

11 Nov – Veterans Day Parade

15 Nov – Board Meeting

05 Dec – General Meeting/Christams Party

20 Dec – Board Meeting

Wednesday mornings – Breakfast 8:30 A.M. at Dancing Tomato in Yuba City.

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

Monday nights at 8:00 P.M. – Butte County ARES net, 145.280 MHz–offset, PL 110.9

Tuesday nights at 8:00 P.M. – GEARS Club net, 146.850 MHz – offset, PL 110.9

Thursday nights at 7:00 P.M. weekly – ARES net.

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.

Other nets (From the GEARS Radiator Newsletter)

Sac Valley Net, 7:00 P.M., 2nd Wed of the month 146.850 MHz – offset, 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.

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

Club repeater: 146.085 MHz out, 146.685 MHz in, PL 127.3

the Senate by a senator from Florida. URL: <http://www.arrl.org/news/arrl-vows-continued-pursuit-of-the-amateur-radio-parity-act-in-the-115th-congress>

CLUB STORE

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

1. PL295 coax connectors, 34 each. Cost is \$1.99 each.
2. RG8X reducers, 18 each. Cost is \$0.69 each.
3. Power Pole connectors, 93 red/black pairs. Cost is \$1.00 per pair.
4. Coax wrap, 1 roll. Cost is \$4.00 per roll.
5. RG8X strain relief boots, 10 each. Cost is \$0.50 each.
6. 10 AWG Red/Black Power Zip Cord, 23 feet. Cost is \$1.38 per foot.
7. RG8X Black Coax, 350 feet. Cost is \$0.39 per foot.
8. 7 BNC Female to SMA Female Adapter, \$3.50 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.

AMATEUR RADIO PARITY ACT

Amateur Radio Parity Act, H.R. 1301 was prevented from coming to a vote in

GENERAL MEETING

The next general meeting will be 3 Jan at the CalTrans building at 7 p.m. Alfred Dunning (KK6VOS) will be giving a presentation of his trip to the HAARP Facility in Alaska.

HAARP is the High Frequency Active Auroral Research Program; an ionospheric research program.

Hope to see you all there.

TECHNICIAN CLASS

The club will again be sponsoring a technician class. Classes will be held at the American Red Cross Center, 2125 East Onstott Frontage Road, Yuba City, classroom 1. It will be taught from 6:30 to 8:30 Monday and Wednesday evenings from Jan 2nd thru Feb 28th.

There is no cost for the classes, however you will need an up-to-date manual. You can obtain a Kindle version from Amazon, purchase a copy from a bookstore, ARRL, or order one thru an instructor.

The instructors will be Curtis (KF6VFP) and Joe Visalli (N9BD)

Please get the word out to family, friends and anyone you know who is interested in getting their license.

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So far we have five who have signed up.

More information can be obtained from Curtis at (530) 743-3003 or KF6VFP@arrl.net.

Curtis, KF6VFP

YSARC CHRISTMAS PARTY



A large crowd gathered for YSARC's annual Christmas party.



Porky's BBQ provided a delicious meal.



Wade (KN6WX) won a 2-meter radio.

HAM Q CODE TRIVIA ANSWERS

1. What is your QTH? **location**
2. Please QRO, your signal is faint. **increase power**
3. What is the QTR in your location? **correct time**

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HAMFESTS

Thunderbird Hamfest

Start Date: 01/14/2017

End Date: 01/14/2017

Location: Northwest Community Church
16615 North 43rd Avenue
Phoenix, AZ 85001

Website: <http://w7tbc.org>

Sponsor: Thunderbird Amateur Radio
Club

Type: ARRL Hamfest

Talk-In: 446.150 -5 MHz (PL 100)

Public Contact: Walter Reinert , NJ8G

5546 West Sweetwater Avenue

Glendale, AZ 85304-1948

Phone: 602-938-8219

Email: hamfest@w7tbc.org

QuartzFest

Start Date: 01/22/2017

End Date: 01/28/2017

Location: BLM Campgrounds
US Highway 95 and 53rd Street North
Quartzsite, AZ 85346

Website: <http://QuartzFest.org>

Sponsor: QuartzFest Planning
Committee

Type: ARRL Convention

Talk-In: 146.55 FM Simplex

Public Contact: Dave Anderson , K1AN

PO Box 11 Quartzsite, AZ 85346

Phone: 602-616-8338

Email: Dave@AZARA.org

MEMBERSHIP RENEWAL

It is getting to be that time of year again when we remind everyone to renew his/her membership for 2017. The application form for renewal is available on the club website at:

(<http://ysarc.org/index.php/join-now>).

VE TEST SESSION

The next VE session will be 7 January 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. If you are planning on taking an exam you will need two forms of ID, at least one of them must be a picture ID. A fee of \$15.00 is required. A calculator may also be used as long as it has had all of its memories cleared and there are no built in or preprogrammed formulas.

If you are upgrading to a higher class you need to 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 all who are taking exams.

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TECHNICIAN, GENERAL AND EXTRA CLASS QUESTION POOL REVIEW

From the Technician Class question pool:

T6A10 Which of the following battery types is rechargeable?

- A. Nickel-metal hydride
- B. Lithium-ion
- C. Lead-acid gel-cell
- D. All of these choices are correct

The correct answer is D. As hams you're going to deal with many different types of batteries. It helps to know which can be recharged and which cannot. It also helps to know your nominal voltage so you can be sure that you are providing enough for your radio.

The most common types of non-rechargeable (disposable) batteries are alkaline and carbon-zinc; usually in AAA, AA, C, D and 9V sizes (corresponding international sizes are R03, R6, R14, R20 and 6F22). Common rechargeable battery types are Nickel-cadmium (NiCd), Lithium ion, and lead acid either gel or liquid (like a car battery).

From the General Class question pool:

G4E01 What is the purpose of a capacitance hat on a mobile antenna?

- A. To increase the power handling capacity of a whip antenna

- B. To allow automatic band changing

- C. To electrically lengthen a physically short antenna

- D. To allow remote tuning

The correct answer is C. A capacitance hat (spokes or wheel shaped structure added near the top of a mobile HF antenna) is a type of loading technique. Other types of loading techniques are coils and linear (part of the antenna is folded back on itself). These loading techniques allow the use of reasonable size antennas for mobile operations. You cannot mount a 100 meter antenna on your car.

Loading techniques are used to increase a physically small antenna's electrical size. That is, to the radio the antenna seems physically longer than it actually is.

From the Extra Class question pool:

E6B03 What special type of diode is capable of both amplification and oscillation?

- A. Point contact
- B. Zener
- C. Tunnel
- D. Junction

The correct answer is C. There are many types of diodes available; each with useful characteristics. Some of the different types are:

- a. **Point-contact diodes** have low internal capacitance

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- specific designed for RF applications)
- b. **Hot-carrier diodes** are used in mixers and detectors at UHF and VHF frequencies.
 - c. **Schottky Barrier diodes** have lower forward voltage resulting in faster response and lower power consumption.
 - d. **Zener diodes** provide a nearly constant dc voltage drop and are often used as voltage references.
 - e. **Tunnel diodes** have a negative resistance which make them capable of amplification and oscillation.
 - f. **Varactor diodes** have the capacity to change the reactance of the diode by changing its reverse bias.
 - g. **PIN diodes** are commonly used as switches.

Curtis (KF6VFP)

EDITORS COMMENTS

We hope all of you had a Merry Christmas with your families and friends and wish you a Happy New Year.

A busy year is coming! Send your ham related articles and pictures to share in your VHN. KI6CSN@arrl.net or KF6FVP@arrl.net