

# VALLEY HAM NEWS

August 2015

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

**P.O. Box 1169**  
**Yuba City, California 95992**

**August 2015**

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## **CLUB OFFICERS**

Pres.: Dave Gipson, KC9EI  
Vice Pres.: Ted Herman, KN6TED  
Secretary: Jo Anne Murdock, N6YLO  
Treasurer: June McJunkin, N6JEY

## **BOARD OF DIRECTORS**

Don Elder, KC6PPX  
Kathy Burns, N7WVW  
Chris Price, KD6CP  
Mike Sangria, AG6IP  
Bob McClard, N6BOB  
Herb Pucket, W6HBU

## **REPEATER TRUSTEE**

Dave Gartner, WD6AXM

## **LIAISONS**

ARES: Steve Sweetman, K6TAZ  
ARRL SM: Ron Murdock, W6KJ  
VE Liaison: LeRoy Smith, KJ6DKM

## **UPCOMING EVENTS**

01 Sept., Tues. – 7:00 P.M. Club Meeting at the Yuba County Library.  
05 Sep – 9:00 A.M., VE Test, 715

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King Ave. Yuba City.

15 Sep – 6:00 P.M., Board Meeting, American Red Cross Building, Yuba City.

06 Oct – 7:00 P.M. Club Meeting at the Yuba County Library.

16-18 Oct – Pacificon.

07 Nov – 9:00 A.M., VE Test, 715 King Ave. Yuba City

Monday nights at 7:00 P.M. – weekly net (146.085) pl XX 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.

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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.

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

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## **VE TEST RESULTS AND TEST SESSION**

The Next VE Test session will be on September 5th 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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## **ELECTION OF BOARD MEMBERS AND OFFICERS**

Elections will be held on Tuesday, November 3, 2015 at the Yuba County Library at 7:00 p.m. Volunteers are needed for board and officer positions during the upcoming 2016 year.

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## **YSARC CLUB MEETING**

01 Sept., Tues. – 7:00 P.M. at the Yuba County Library.

Joe Herman, WA6CAL, will present digital JT-65 communications.

### **Up for discussion:**

- November elections
  - Veteran's Day parade
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## **NINTH ANNUAL SACRAMENTO VALLEY HAMFEST**

09/19/2015

**Location:** McBean Park  
65 McBean Park (Lincoln Blvd exit)  
Lincoln, CA 95648

**Website:** <http://www.wparc.us>

**Sponsor:** Western Placer Amateur Radio Club

**Type:** ARRL Hamfest

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**Talk-In:** 147.300+ (PL 179.9)

**Public Contact:** Kathryn Miller ,  
KJ6YCP 1530 Crestmont Oak Drive  
Roseville, CA 95661

Phone: 916-782-3656

**Email:**

entertainangels@surewest.net

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## **FCC UNIVERSAL LICENSING SYSTEM**

From the ARLB025 (ARRL Bulliten)

FCC website maintenance in early September will make the Universal Licensing System (ULS), the Electronic Comment Filing System (ECFS), the Electronic Document Management System (EDOCS) and other public applications unavailable for more than 5 days. The Commission said the outage will begin at 2200 UTC on Wednesday, September 2, and continue through the Labor Day weekend. The maintenance work should be completed by 1200 UTC on Tuesday, September 8. During the ULS outage, it will not be possible to file any Amateur Radio applications

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## **CLUB STORE**

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

1. Marine grade white RG8X coax, 13 feet. Cost is \$0.41/foot.
2. RG8X Black coax, 320 foot reel. Cost is \$0.41/foot.
3. PL295 coax connectors, 57 each.

Cost is \$1.99 each.

4. RG8X reducers, 40 each. Cost is \$0.69 each.

5. Power Pole connectors, 119 red/black pairs. Cost is \$1.00 per pair.

6. 12 guage red/black wire for power connections, 25 feet. Cost is \$1.00/foot.

7. Coax wrap, 2 rolls. Cost is \$4.00 per roll.

8. LMR 400 coax, 40 feet. Cost is \$0.90/foot.

9. RG8X strain relief boots, 14 each. Cost is \$0.50 each.

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

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## **BAND PLAN CHARTS**

Print your own **Frequency Bands Chart** at:

<http://www.arrl.org/graphical-frequency-allocations>

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## **TECHNICIAN, GENERAL AND EXTRA CLASS QUESTION POOL REVIEW**

From the Technician Class question pool:

T0A09 What kind of hazard is presented by a conventional 12-volt storage battery?

A. It emits ozone which can be harmful to the atmosphere

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- B. Shock hazard due to high voltage
- C. Explosive gas can collect if not properly vented
- D. All of these choices are correct

The correct answer is C. A conventional 12-volt battery is like your car battery. These batteries are a lead-acid type, and are made of six galvanic cells connected in series to provide a nominally 12-volt system. Each cell provides 2.1 volts for a total of 12.6 volts at full charge. When charged they can emit hydrogen gas which can be explosive.

From the General Class question pool:

G0A02 Which of the following properties is important in estimating whether an RF signal exceeds the maximum permissible exposure (MPE)?

- A. Its duty cycle
- B. Its frequency
- C. Its power density
- D. All of these choices are correct

The correct answer is D. This question is addressing the rate at which RF energy is absorbed by the body. Injury can occur when the power and frequency cause to high an absorption in a short period of time. That is why you need to be aware of the duty cycle, frequency and power density of your transmissions so you don't over expose yourself or others. These factors affect the controlled and uncontrolled space around your transmitter antennas.

The duty cycle of the transmission determines how long you will be exposed to the RF radiation. Different frequencies of the RF radiation affect the body differently. For example: limbs, and torso are most susceptible to frequencies in the 30 to 300 MHz range. The head is most susceptible to frequencies in the 300 MHz to 3 GHz range. Finally, the amount of power you'll absorb is affect by your distance from the transmission. The closer you are the higher the power density and the more you'll absorb.

From the Extra Class question pool:

E0A02 When evaluating RF exposure levels from your station at a neighbor's home, what must you do?

- A. Make sure signals from your station are less than the controlled MPE limits
- B. Make sure signals from your station are less than the uncontrolled MPE limits
- C. You need only evaluate exposure levels on your own property
- D. Advise your neighbors of the results of your tests

The correct answer is B. Let us begin by defining the controlled vs. uncontrolled are. The controlled area is where people being exposed are aware of their exposure and can take steps to minimize their exposure. Examples are your radio station and areas near your antenna. Uncontrolled areas are those in which the general public has access.

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The general public is not aware of their exposure and much less likely to receive continuous exposure. The FCC in The Office of Engineering & Technology (OET) bulletin 65 defines the controlled and uncontrolled areas and exposure limits for the different frequencies.

Your neighbor's home is in an uncontrolled area; hence, you must limit the exposure he receives from your station and antennas to be less than the levels defined in OET Bulletin 65. You accomplish this by doing a station evaluation. Guidelines for doing this evaluation can be found in OET Bulletin 65b *Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields, Additional Information for Amateur Radio Stations.*

Curtis (KF6VFP)

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## **PACIFICON**

Pacificon, an ARRL Convention, will be held October 16-18, 2015 at the San Ramon Marriott 2600 Bishop Drive, San Ramon, CA The Talk-In frequency will be on the Mount Diablo Repeater at 147.060 with a PL 100 Hz, call sign W6P.

Pacificon gives you three great days of activities for one low cost: A full slate of outstanding Forum presentations about a wide range of amateur radio topics, a large Vendor Expo filled with exciting products and exhibits, an outdoor Swap Meet, great QRP activities, a Youth Forum and great Youth Activities including electronics kit

building and soldering classes, a One Day License Prep Class to prepare you to pass the amateur radio Technician license examination and get your first amateur radio license, a chance to hear about and discuss important national amateur radio issues with top ARRL leaders, a chance to win radios and other great prizes throughout the convention, and perhaps the best part - a chance to interact and share information with lots of other amateur radio enthusiasts to further (or begin) your own knowledge and to advance the hobby. Tickets are \$25.00 in advance (thru Oct. 5th) or \$30.00 at the door.

Website: <http://www.pacificon.org>

For more information contact: Misa Siemons (KJ6BUE), PO Box 31372 Walnut Creek, CA 94598; Phone: 925-945-8007 or email: [misa@siemons.com](mailto:misa@siemons.com).

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## **EDITORS MESSAGE**

It is time to start planning for the 2015 Veteran's Day Parade. This year's festivities will be held Wednesday, November 11, 2015 on D St. in Marysville. YSARC needs a ramrod to organize volunteers for the event.

Marsha (KI6CSN) and Curtis (KF6VFP)

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## **NAME BADGES**

The club is looking into the possibility of obtaining name badges for members

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who want one. If you are interested please let a club officer or board member know so we can get an idea of how many.

The badges will have the club logo, your call sign, name and Yuba-Sutter ARC on them. A magnetic strip will be used to secure the badge to your shirt.