

The VALLEY HAM NEWS

The Voice of the Yuba Sutter Amateur Radio Club
A California Non-profit Organization

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

January 2015

Editors: Curtis R Sylvester-José, KF6VFP Webmaster: Ted Herman, KN6TED
 Marsha L. Sylvester-José, KI6CSN
Telephone: 530-743-3003
E-Mail: Curtis at kf6vfp@arrl.net
 Marsha at ki6csn@arrl.net

CLUB OFFICERS

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

BOARD OF DIRECTORS

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REPEATER TRUSTEE

Dave Gartner, WD6AXM

LIAISONS

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

UPCOMING EVENTS

03 Feb – 7:00 P.M. Club Meeting at
Marysville Library 303 2nd Street,

Marysville

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

04 Mar – 7:00 P.M. Club Meeting at
Marysville Library 303 2nd Street,
Marysville

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

01 Apr – 7:00 P.M. Club Meeting at
Marysville Library 303 2nd Street,
Marysville

18 Apr – Bike Around the Buttes

02 May – 9:00 A.M., VE Test, 715
King Ave. Yuba City

02 May – 3F Century Bike Ride

15-17 Dayton Hamfest, Dayton OH.

27-28 Jun – Field Day

04 Jul – 9:00 A.M., VE Test, 715
King Ave. Yuba City

05 Sep – 9:00 A.M., VE Test, 715
King Ave. Yuba City

16-18 Oct – Pacificon

Monday nights at 7:00 P.M. – weekly
net with swap shop and help sessions.

Monday nights at 8:00 P.M. – Butte

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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.

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

NEXT CLUB MEETING

The next Club Meeting will be at the Yuba County Library Conference Room, 303 2nd Street, Marysville. Doors will open around 6:30 P.M. The meeting will start at 7:00 P.M.

Visitors are welcome to come and join us.

TECHNICIAN CLASS

The technician class started with two. On the night of the first class four more signed up. At the second class one more signed up, bring the total to six. Since then three more have signed up and we now have eight people studying for their technician license and one reviewing.

We are about halfway through the manual, having studied Radio Signals and Waves, Modulation, Radio Equipment and Basics, Electricity (Ohm's law and power), Components and Units, Types of Radio Circuits, Propagation and Antenna Fundamentals.

You are welcome to stop by and meet the class as well as lending your expertise.

Hopefully at the next VE session we will have eight new hams to welcome.

Classes are being held Monday and Wednesday from 6:30 to 8:30 P.M. at the American Red Cross Center in Yuba City. The class is schedule to run through 25 Feb. The instructor is Curtis and he can be contacted by email (preferred) KF6VFP@arrl.net or phone (530) 743-3003.

FCC TO GO PAPERLESS

From the ARRL Bulliten ARLB004
FCC "Paperless" Amateur Radio License Policy Goes into Effect on February 17

Starting February 17, the FCC no longer will routinely issue paper license documents to Amateur Radio applicants

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and licensees. The Commission has maintained for some time now that the official Amateur Radio license authorization is the electronic record that exists in its Universal Licensing System (ULS), although the FCC has continued to print and mail hard copy licenses. In mid-December the FCC adopted final procedures to provide access to official electronic authorizations, as it had proposed in WT Docket 14-161 as part of its "process reform" initiatives.

Under the new procedures, licensees will access their current official authorization ("Active" status only) via the ULS License Manager. The FCC will continue to provide paper license documents to all licensees who notify the Commission that they prefer to receive one. Licensees also will be able to print out an official authorization - as well as an unofficial "reference copy" - from the ULS License Manager.

"We find this electronic process will improve efficiency by simplifying access to official authorizations in ULS, shortening the time period between grant of an application and access to the official authorization, and reducing regulatory costs," the FCC Wireless Telecommunications Bureau (WTB) said. According to the WTB, the new procedures will save at least \$304,000 a year, including the cost of staff resources.

In comments filed November 5, the ARRL had strongly recommended that the FCC "give serious consideration to continuing a default provision for sending an initial paper license document to new licensees in the Amateur Radio Service, along with

detailed, simple instructions for how to make the elections set forth in the notice relative to future modified or renewed licenses."

The FCC said that applicants or licensees who include a valid e-mail address under "Applicant Information" in the ULS will receive an official electronic authorization via e-mail. New license applicants who do not provide a FCC Registration Number at the examination point will receive a printed license as well as an FRN and a temporary password to access the Commission Registration System (CORES).

The ARRL and other Amateur Radio commenters also worried that unless a license document is printed on distinctive paper stock, its authenticity could be questioned in such situations as obtaining vanity call sign license plates. To address this, the FCC said the watermark "Official Copy" will be printed on each page of an official authorization that a licensee prints out from the ULS. The WTB recently stopped using distinctive paper stock to produce hard copy licenses and has been printing these on "standard, white recycled paper." The Bureau noted that the distinctive paper stock it had used was six times more expensive than the plain recycled paper it now uses.

The ULS License Manager now includes settings that allow licensees to notify the WTB that they prefer to receive official authorizations on paper. Once the final procedures go into effect designating electronic access as the default, licensees can change the ULS License Manager setting so that the Bureau will print and mail a license

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document. Licensees also may contact FCC Support via the web at, http://esupport.fcc.gov/index.htm?job=contact_fcc_support, or via telephone or mail to request paper licenses.

The FCC rejected as "outside the scope of this proceeding" an ARRL argument that Section 97.23 of the Amateur Service rules be amended to replace "licensee mailing address" with other alternatives, including e-mail, for use in Commission correspondence. The rule, which requires that any licensee mailing address be in an area where the licensee has US Postal Service access, has precluded FCC issuance of location-specific call signs in such areas as Navassa Island (KP1) and some Pacific islands.

VE TEST RESULTS

On January 3rd the first VE Session of the year was held. An element 2 Technician Exam was given and passed. Congratulations to KK6RHD, John Holmes.

CW CLASS

The CW class being taught by Lee (KC6MCI) and Lonnie (KI6ZYY) began on January 9th. Sessions begin at 6:30pm.

The frequency is 146.430 MHz FM simplex. Simplex is going to be used since most new hams will not have an all-mode transceiver capable of operating in CW mode.

Lee will be instructing from his location, in Sutter CA along with Lonnie from Williams, CA

Students will need some type of a practice oscillator to practice sending CW over FM during the classes. If they don't have said equipment, Lonnie and Lee will try to provide it

All those that are interested in joining the class may send any questions to: KC6MCI@ARRL.NET

MEMBERSHIP

It is that time of the year when we begin to remind members to renew their membership for the upcoming year (2015). Membership forms can be found on the club website [YSARC.ORG](http://ysarc.org) <http://ysarc.org/index.php/about-us/join-our-club>. The form is a PDF that you can download, complete and mail in or turn in at a club meeting along with your dues.

A reminder, if your ARRL membership is coming due, renew thru the club. The club then gets a portion of your ARRL dues.

PRESIDENTS CORNER

It's 2015 and I'm excited. The 2015 board arrived at the meeting with exciting ideas and renewed enthusiasm. We are going to make a few changes, some barely noticeable while others may require a leap of faith, but be assured it's going to be fun! For starters, the first three meetings this year will be held at the Yuba County Library in Marysville.

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Tuesday, February 3, 2015

Wednesday, March 4, 2015

Wednesday, April 1, 2015

Meetings will start at 7pm instead of 6 to allow time for a little supper at home before arriving.

Presentations... You bet; presentations relating to Ham Radio and other exciting subjects as well. The meeting room will be equipped with multimedia displays and a sound system so everyone can comfortably hear and see. We need and welcome your presentation suggestions, you can bring them up on the Monday evening net or better yet, make a phone/radio call to any club board member or officer.

The monthly club meeting is being restructured into a fast moving informative format. Minutes and treasurer report summaries will be given at the meeting in addition to their publication on the club web site. There will be coffee, bottled water, member furnished cookies, etc. at each meeting, and don't forget the always popular door prize drawings and raffles, too. If the membership is interested we can plan an occasional dinner meeting as well.

We will be conducting some special Ham Workshops in addition to the regular monthly club meeting. And, let's try to make this Field Day the best ever! The Swap Meet is already being discussed and is open to your suggestions or comments. We can use your assistance in the planning and execution of any of these events! "Bike Around the Buttes" is a great and highly visible example of Ham Radio at its finest! Why not volunteer to ride-a-long, learning how we do our part and you are

guaranteed to have a great time.

Finally ... this will be the year we work together to help our friends and fellow Ham operators, those who can't climb their tower, ladder, or perhaps work on an antenna that needs tuned or installed. Let's work on making it easy for any Ham to ask for "Ham Help" on Monday nights. We have a wonderful pool of talent waiting to be tapped. Let's Do It Together!

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CLUB STORE

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

1. Marine grade white RG8X coax, 91 feet in 3 segments of 13, 10 and 69 feet. Cost is \$0.41/foot.
2. RG8X Black coax, 350 foot reel. Cost is \$0.41/foot.
3. PL295 coax connectors, 69 each. Cost is \$1.99 each.
4. RG8X reducers, 52 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, 3 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

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any of these items contact the club store manager, Curtis (KF6VFP) at (530) 743-3003 or on the air.

3 F CENTURY BIKE RIDE

On Saturday, May 2, 2015 the Lion's Club of Colusa is hosting the annual 3 F Century Bike Ride. The race starts in Colusa and winds through the Sutter Buttes. SAG and rest stop ham volunteers are needed. More information can be found at 3fcentury.com and by contacting Bill Duncan, WA6OHP at WA6OHP@ARRL.NET or 530-763-7175.

TRIVIA

Can you unscramble these words:

HCLQESU—circuitry that mutes an FM receiver when no signal is received.

IERPEGE—that point in the orbit of a satellite (such as the moon) when it is closest to the earth.

HPRIC—a slight shift in transmitter frequency each time it is keyed.

DOIGLAN OLIC—an inductor placed at the base or at the center of an antenna to resonate it.

EPRPLIP—variations in power supply output voltage due to current pulses in a rectifier circuit.

AIBS—an applied voltage to a circuit or component.

Answers after the editors message.

Marsha (KI6CSN)

BIKE AROUND THE BUTTES

Bike Around the Buttes is coming April 18th. The Bike Around the Buttes is a 17 mile, 40 mile and 100 mile bike ride to raise money for Children's Type 1 Diabetes. The club will be helping out by communications support again this year.

Steve Albrecht (KJ6VCF) has volunteered to ramrod this years effort. He is looking for 13 hams with trucks or other vehicles that can carry riders and bicycles to act as SAG (SAG is a bike club term meaning Support And Gear) drivers, 5 hams to man the rest stops, 2-3 hams to man the net control, and someone to be shadow (shadow is a ham who follows around the person who heads up BATB and acts as their communications link). It is also helpful to have extra hams on call.

This year we will have new hams riding along learning and assisting.

If you can help out contact Steve during a Monday night net or via email at steveal@sbcglobal.net.

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- A. 2
- B. 4
- C. 5
- D. 6

The correct answer is B. A MOSFET transistor has two gates G1 and G2. To determine if 4 or 5 is correct look at the direction of the arrowhead. The vertical line represents the MOSFET channel. An arrowhead pointing away from the vertical line indicates a P-channel. An arrowhead points towards the vertical line indicates a N-Channel.

Curtis (KF6VFP)

EDITORS MESSAGE

Many Ham related activities for YSARC members have started in 2015!

Lee (KC6MCI) and Lonnie (KI6ZYY) are mentoring new CW enthusiasts on Friday nights.

Curtis (KF6FVP) is teaching a Ham technician class through February.

An antenna party was held at Larry's (KE6LAW) in January.

Ham related presentations are scheduled in February, March and April at the Yuba County Library. Prizes too!

April 18th is the annual Bike Around the Buttes race.

May 2nd is the annual 3 F Century Bike Ride.

Hamfest and Field Day planning are in the works for June.

This an active club with volunteers ready to help both new hams and elmers enjoy Ham radio.

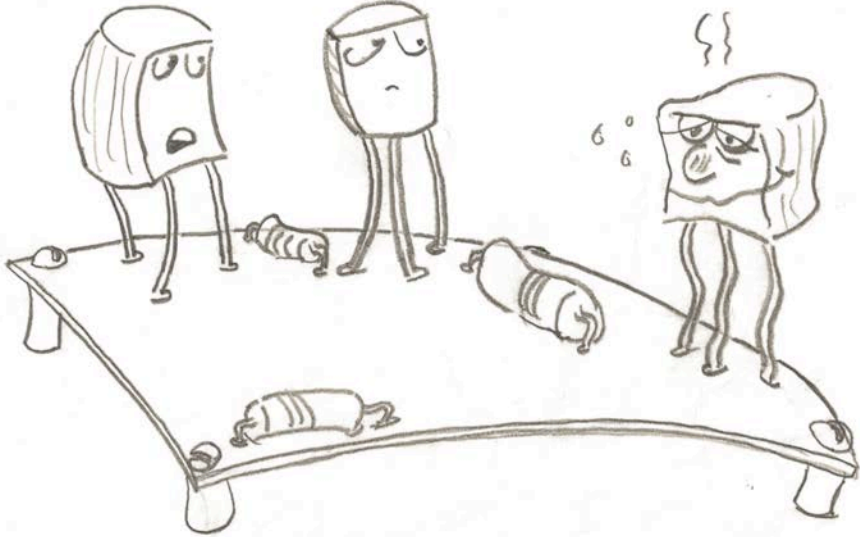
Marsha (KI6CSN) and Curtis (KF6VFP)

TRIVIA ANSWERS

The unscrambled words are:
Squelch, Perigee, Chirp, Loading Coil, Ripple And Bias

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"MAYBE I'M BIASED, BUT HE SEEMS A LITTLE SATURATED TO ME."