

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
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July 2014

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CLUB OFFICERS

Pres.: Mike Eby, KM6EBY
Vice Pres.: Steve Albecht, KJ6VCF
Secretary: Matthew den Hollander,
AC6MF
Treasurer: Clara Ansley, KC6JPP

BOARD OF DIRECTORS

Sheri Goforth-Eby, K6AVW
June McJunkin, N6JEY
Curtis Sylvester-Jose, KF6VFP
Ted Herman, KN6TED
Don Elder, KC6PPX

REPEATER TRUSTEE

Dave Gartner, WD6AXM

LIASANS

ARES: Steve Sweetman, K6TAZ
ARRL SM: Ron Murdock,
W6KJ

UPCOMING EVENTS

Aug 5, 6:00 P.M. Club Meeting,
2-Bits Cafe

Aug 9, 8:00 A.M. Foxhunt, Perkos

Aug 19, 6:0 P.M. Board Meeting,
American Red Cross

Aug 23, Nevada County VE
Session

Sep 2, 6:0 P.M. Club Meeting, 2-
Bits Café

Sep 3 – Oct 24, 6:30 – 8:30 P.M.
Technician Class, American Red Cross

Oct 7, Club Meeting and potluck,
Marysville First United Methodist
Church, Pioneer Hall, Set-up at 5:30
P.M., eat at 6:00 P.M.

Oct 6, 9:00 A.M., VE Session,
715 King Ave., Yuba City

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

Monday nights at 8:00 P.M. –
Butte County ARES net on Chico
repeater.

Third Thursday of each month at
7:30 P.M. – the ARRL Sacramento

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Valley Section (VHF) Net, on club repeater followed by an HF Net on 3987 KHz LSB.

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

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

NEXT BOARD MEETING

The next Board Meeting will be at the American Red Cross on Aug 19.

Visitors are welcome to come and join us. The meeting begins at 6:00 p.m.

Bring your suggestions, gripes and offers to help.

PRESIDENT'S CORNER

Hello again one and all!

Field day can be counted on as a great success by all who participated wherever they were. We had people way up at lakes and campsites and of course, Meridian where Lee (KC6MCI) made the most contacts on PSK-31 while the rest of us goofed around in 10, 15 and 20 meters. For a while it seemed like all we were going to do was snag stations from Hawaii and the Pacific Ocean. However things did pick up after I left for the evening, with the team getting some stations around the country. Later on Sunday Don (also the great chef) brought his 40 meter dipole and we had lots of fun with that. We hope to get the same location again next

year.

This month we had a great time building tape measure antennas for our future foxhunt (hopefully August 9th) where we'll meet at Perkos coffee shop at 8 A.M. and go from there. Hopefully our friends from the north in GEARS will come with us and help us along, so we don't stumble too much. On Tuesday the 5th, at our regular club meeting at the 2 Bits, Jesse is supposed to show and tell BoaFeng radio techniques, so we hope he can make it. So bring your radios and hope for a chance to learn more about them!

It is the time of year to start thinking about next years officers and board members. Mathew jumped right into the role of secretary. Clara has decided not to run as treasurer next year, so that is a big slot to fill. Most of it is computerized, thanks to the work of Larry and Clara both, so that should make things a lot easier than years gone by. At the last board meeting, the bank showed us with 4 cents more than Clara could figure, so we didn't fight it too much. There will also be a big need for board members again this year, so think about participating in club business, and be involved.

With that I'll say 73 to all, and have a great day!

Mike KM6EBY
President YSARC

HR 4696

Calling all hams. Contact your member of the US House of

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Representatives and ask them to co-sponsor HR-4969 – *The Amateur Radio Parity Act of 2014*.

Many hams across the country live in new development which are governed by CC&Rs. CC&Rs are Codes, Covenants, and Restrictions and they are killers for ham radio. Most CC&Rs prohibit the installation of ham antennas and as you all are aware, you can't operate HF without a good antenna. The FCC determined that states, counties, and cities can't prohibit the erection of antennas but did not carry their edict to cover CC&Rs, leaving that change for guidance from the U.S. Congress. There is currently a bill in the House of Representatives to allow a reasonable accommodation for a ham antenna for someone who is governed by CC&Rs. We all know someone who is affected by the restrictions but now we can do something to help.

HR-4969 will extend limited reasonable accommodation provisions that the FCC now regulates over state and local to include all types of land use regulations, including preclusive homeowner's association regulations and restrictive covenants. The FCC has jurisdiction to provide these protections when there is a conflict with Federal policy. This was established when, at Congress' instructions, it enacted regulations that preempted municipal and private land use regulation over satellite dish antennas and television broadcast receive antennas in residences.

HR-4969 will provide a basis for radio Amateurs to negotiate reasonable accommodation for at least minimal

outdoor Amateur Radio antennas with their homeowners' association

A Microsoft Word document letter that you can download, complete and sign is available at arrl.org/hr-4969. To expedite delivery of your letter once you have printed it out and signed it, you should mail your letter to:

ARRL

Attn: HR 4969 letter campaign

225 Main St

Newington, CT 06111

If you wish to write and sign your letter then send the signed copy to the ARRL as an attachment (PDF or scan) as an email, please send them to n1nd@arrl.org with the words "HR 4969 letter" in the SUBJECT field of the email.

TECHNICIAN CLASS

Coming in September and October is the next technician class. Do you know of anyone interested in becoming a ham? Encourage them to attend and then become their Elmer. Help your hobby to grow.

Curtis Sylvester-José (KF6VFP) will be the instructor. The class will begin on September 3rd and run through October 24th. The course book is *The ARRL Ham Radio License Manual*, third edition. The cost of the manual is \$22.46 if purchased through Curtis or \$29.95 if you purchase from ARRL or through a book store.

Sign up no later than 15 Aug so Curtis has enough time to order and

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receive a manual for each student. Students can reimburse him for the manual at the first class session by cash or check. Class size is limited to 20 students.

Curtis can be contacted by email (preferred) KF6VFP@arrl.net or phone (530) 743-3003.

FIELD DAY



The raising of the antenna



Lee's (KC6MCI) PSK-31 Station



Our Grand Master Chef – Don Elder
(KC6PPX)

Steve (KJ6VCF) along with Jason (KK6EJD) and Tammy did field day at Goose Lake (elevation about 6800 feet). They were on 20, 17 and 15 m.

Bob N6BOB and Bob (N6BO) did field day at Bob's (W6BO) QTH.

Dave (WA1NER), Steve (K6TAZ) and three other hams set up operations at the Sutter County Airport.

The club site was at the Meridian Baseball field. Lee Sheffield (KC6MCI), Lonnie Moore (KI6ZYY), Mark Peters (KA6FFM), Matthew Den Hollander (AC6MF), Mike Eby (KM6EBY), Sheri Goforth-Eby (K6AVW) and Don Elders (KC6PPX) operated as a 2A station.

Ron (W6KJ) and JoAnn (N6YLO) spent the day visiting 12 different field day sites across northern California.

In all it was an eventful day for all participants.

VOLUNTEERS NEEDED

Volunteers are needed to fill board and officer positions for 2015.

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Someone is needed to take over as the Club Treasurer, Clara is retiring from the position. Board members, President, Vice President, Treasurer, and Secretary are needed.

If you are interested in filling any of these positions please let Matthew (AC6MF) know.

Remember, elections are in November, not too long from now.

SECTION MANAGERS MESSAGE

On Thursday 17 July, Bennet, K6CEL, greeted me in the Starbucks shop in the Marriott Hotel in Hartford. We visited for a few minutes and then we were off to the separate activities we had each chosen for the day. Thursday was the forum day of the ARRL Centennial Convention in the Connecticut Convention Center next to the Marriott. On the sixth floor there were six forum rooms (with an additional few on the opposite side of that floor. It is a huge facility. We used less than half of what was available.

My training track for the day had to do with the development and assistance to local clubs and local operations. It was arranged by Katie Allen, WY7KRA, the assistant Section Manager for Wyoming, and wife of Rocky Mountain Vice Director, Dwayne Allen, WY7FD. Katie was, until her marriage to Dwayne, membership manager at ARRL HQ. Many of you probably met her at Pacificon for a few years, beginning in 2007.

Bill Edgar, K3LLR, ATLANTIC DIV. DIRECTOR, was one of the

presenters in this track of presentations. At the end of his excellent talk, he provided anyone interested with a CD-ROM of all the material and links to his website where resources for club programs, training, networking, newsletters, discussions, and sharing are available. (Bill is a vice president in the IOK.)

You can find these at bfdinforums.net and altdiv.org/training

At the completion of Thursdays training track, the Pacific Division Section Managers, along with the Connecticut SM, Betsey Doane, K1EIC, and Barb, Betsey's twin sister, all adjourned to a pricey restaurant across the street from the hotel. We had a great meal, but there were other options for other nights not so expensive. This was a great time for networking. We had San Francisco, Pacific, Sacramento Valley, and Connecticut sections together and besides having a great time, we all learned a lot about the differing conditions in each of our Sections.

Friday morning at the convention was a much anticipated event, as I was to meet friends I only talk to on the radio at the show. Just outside the entry to the Expo and exhibits was my old radio friend, Bill, WZ1L. While we waited for the doors to open at 9 AM, we introduced ourselves formally (we're both IOK vice presidents) and then noticed W3TOM, ARRL Atlantic Division Vice Director and another IOK VP headed our way. He said to look for Dave Smith, K3CRF, my old friend from Omaha, another IOK VP, who was looking for us both. We later made

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contact.

That is the great thing about conventions. They gather all interested hams in one place. We had great visits and shared all the gossip. We also chose which forums to attend, and learned that the forum rooms on either side of the sixth floor are all on one central light control. Turning the lights on or off in one forum room, did the same to all the forum rooms at the same time. Once that little glitch was handled, things began running a bit smoother.

We had arrived in Connecticut late on the evening of July 8, using the extra time to visit places important to us for various reasons. Our first visit was to the Hartford home of Samuel Clemens, Mark Twain, a must see attraction if you can read English. The next thing on the agenda was a central location a bit east in Norwich. We used that as a base for the next few days to visit attractions around the state and do a little genealogy. (My ancestors settled in several Connecticut locations before we made it to California.)

All told, we had a wonderful time, and considered it time well spent. Now there is nothing until Pacificon in October. Check the Section web page or search for Pacificon 2014 for more information about our Division Centennial Convention at the Santa Clara Marriott Hotel. We have registered for the convention, and already have our hotel reservations.

Hope to see you all there.

73,
Ron, W6KJ
ARRL SACRAMENTO VALLEY
SECTION MANAGER

FOX HUNT TAPE MEASURE ANTENNA BUILD

On Saturday 19 July Mike Eby (KM6EBY), Sheri Goforth-Eby (K6AVW), Curtis Sylvester-José (KF6VFP), Claire Schloenvoght (KI6VWG), Gary Lovegren (KI6IJI), Mark Peters (KA6FFM), and Matthew den Hollander, (AC6MF) met at the American Legion Hall in Linda to build Tape Measure Yagi antennas for the upcoming foxhunt. After an scrumptious breakfast prepared by the American Legion six antennas were built..



Some of the material to build the antenna.

The three different lengths of tape measures were cut to 41 3/8 inches (reflector), 17 3/4 inches (driven element) and 35 1/8 inches (director). two of the

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shortest length of tape measure form the driven element.



A work in progress.



Some completed antennas.

A good description of how to construct one of these antennas is at <http://ccars.org/Projects/TapeYagi/Yagi1/index.htm>. We substituted a T connector for the cross connector he used for the director. We also added a 45 connector to the end of the handle and added a short length of PVC to form an angled handle.

I would recommend using hose clamps to hold the elements on the PVC as it allows for easy adjustment of

position.

You can also run the coax inside the PVC by drilling a hole in the PVC between the relector and driven element.

WORD SEARCH

Can you find the following words: Alligator, APRS, ARES, Beam Antenna, Busted Call, CTCSS, Dipole, DTMF, Dummy Load, Dupe, Dxpedition, Earth-Moon-Earth, EchoLink, Elmer, IRLP, Mag Mount, Meteor Scatter, Packetcluster, Pileup, Q Signals, Shack, and Yagi.

Solution later in this newsletter.

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E Q S D T M F P Z X E P U D
P A L L I G A T O R L C V U
A P R S G P M B N R K M L M
C R L T B N O A I N S M A M
K A E L H U I L I D A F N Y
E Z X S A M K L E G G H G L
T W E F Y C O H M J K K I O
C T C S S H D O K C A H S A
L Y D V C J U E N L Q W Q D
U A C E H N O E T E L M E R
S G R T T M L R T S A Y U W
T I P I L E U P I O U R P Z
E A N N E T N A M A E B T Q
R D X P E D I T I O N X W H
M E T E O R S C A T T E R A
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TECHNICIAN, GENERAL AND EXTRA CLASS QUESTION POOL REVIEW

From the Technician Class question pool:

T8D05: Which of the following is an application of APRS (Automatic Packet Reporting System)?

A. Providing real time tactical digital communications in conjunction with a map showing the locations of stations.

B. Showing automatically the number of packets transmitted via PACTOR during a specific time interval.

C. Providing voice over Internet connection between repeaters.

D. Providing information on the number of stations signed into a repeater.

Answer: APRS is used to send a packet (a small amount of computer data) that can be sent over the internet. But what kind of data. Keeping in mind that an APRS set-up is a GPS (Global Positioning System) device connected to a radio via a TNC we can conclude that the correct answer is A.

From the General Class question pool:

G9A10: What standing wave ratio will result from the connection of a 50-ohm feed line to a non-reactive load having 10-ohm impedance?

A. 2:1

B. 50:1

C. 1:5

D. 5:1

Answer: A perfect SWR (Standing Wave Ratio) would be 1:1. SWR is always greater than or equal to 1:1. The SWR is equal to the ratio of the higher impedance to the lower impedance. Therefore the SWR is 50-ohm:10-ohm which is 5:1. Hence the correct answer is D. Note: if you have a 1:1 SWR all of your power is being transferred to the antenna.

From the Extra Class question pool:

E4B04: If a frequency counter with a specified accuracy of +/- 1.0 ppm reads 146,520,000 Hz, what is the most the actual frequency being measured could differ from the reading:

A. 165.2 Hz

B. 14.652 kHz

C. 146.52 Hz

D. 14652 MHz

Answer: 1.0 ppm means 1 part per million. Therefore 146,520,000 Hz divided by 1,000,000 is 146.52 Hz. Hence the correct answer is C.

EDITORS MESSAGE

This is our first newsletter as the new editors. We hope you enjoy reading it as much as we enjoyed putting it together.

Any suggestions of what you'd

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like to see in the newsletter are welcome. After all, it is your club newsletter.

Curtis (KF6VFP) and Marsha (KI6CSN)

WORD SEARCH SOLUTION

E	Q	S	B	T	M	F	P	Z	X	E	P	U	D
P	A	L	L	I	G	A	T	O	R	L	C	V	U
A	P	R	S	G	P	M	B	N	R	K	M	L	M
C	R	L	T	B	N	O	A	I	N	S	M	A	M
K	A	E	L	H	U	I	L	I	D	A	F	N	Y
E	Z	X	S	A	M	K	L	E	G	G	H	G	L
T	W	E	F	Y	C	O	H	M	J	K	K	I	O
C	T	C	S	S	H	D	O	K	C	A	H	S	A
L	Y	D	V	C	J	U	E	N	L	Q	W	Q	D
U	A	C	E	H	N	O	E	T	E	L	M	E	R
S	G	R	T	T	M	L	R	T	S	A	Y	U	W
T	I	P	I	L	E	U	P	I	O	U	R	P	Z
E	A	N	N	E	T	N	A	M	A	E	B	T	Q
R	D	X	P	E	D	I	T	I	O	N	X	W	H
M	E	T	E	O	R	S	C	A	T	T	E	R	A