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The CVARC club meeting is held at 7:30 PM on the third Thursday of the Month at:

The East County Sheriff Station
 2101 East Olsen Road
 Thousand Oaks, CA 91360

The East County Sheriff Station facility is just off the 23 freeway from the Olsen Road off-ramp, north, between Thousand Oaks and Simi Valley.

Trivia Corner

Don’t have a PEP reading power meter for your amp? Use the formula:
 voltage x current x dissipation = Peak Envelope Power, e.g.,
 2,900 volts x 450 mA grid current x 65% tube dissipation = 848W PEP.

President’s Message

Rob Hanson, W6RH

Fall has arrived and school is back in session. That includes ham radio school as well.

Tim K6POI, with the assistance of Diane KJ6JEJ and others, started an eight week Technician license class at the end of September. We are hoping to hold Technician classes on a regular basis a few times a year. More information on these classes can be found on our website www.cvarc.com.

Remember to tell anyone you know who is interested in ham radio that we are holding classes. They are always held at no charge to the attendees. The only costs are purchase of the appropriate license manual and the VE testing fee at the end of the class.

This is the last meeting before our elections for the 2013 board. All positions are up for consideration. If you are willing to donate a little time to keep CVARC one of the top clubs in the country, please throw your name in the hat. Descriptions of the duties are elsewhere in the newsletter. Let me know if you have questions. No experience is required.

The Rasnow tour was fun, and a number of people that had never been to a hilltop site got to see what life is like on the hill. Brian Rasnow demonstrated his solar telescope, and Tina Rasnow provided tasty treats from produce grown on their property. We appreciate the hospitality of the Rasnow family, and their support of Ham Radio.

This is a good time to check your 72 hour kit, and change from Summer to Winter supplies. We need to be ready for unexpected events.

73
 Rob

Conejo Valley ARC Speaker for October 18, 2012

Greg Lane, K7SDW will give a presentation on two different topics. The first will be about graphic software used for emergency operations. The second will be on stealth antennas, which follows our yearlong project on antennas.

Greg's presentation will be on the use of Depiction (www.depiction.com), which is a tool for identifying and locating resources that might be needed after the "Big One". The presentation will show the integration of this tool and other digital programs that might serve as a useful platform to aid in situation awareness and support the community. The Graphic Interface Systems (GIS), can be downloaded. With a free Depiction Reader you can tour the designer's site and see the contributions the owner of the program have contributed over time.

He will then give a presentation on stealth antennas, which is needed by all amateurs due to R&R restrictions in most of the areas surrounding us.

Greg Lane was first licensed in 1962 in Phoenix, Arizona. In those days, most amateurs built and used their own equipment and Greg followed by building a novice 6v6 Knight Kit followed by a 6146 two-band CW transmitter and a National 155 Receiver.

He graduated from Arizona State and started working with Bunker Ramo in Canoga Park on navigational computers used on submarines. He followed that by working for 45 years in the industry with the following aerospace giants:

Litton Data Systems, Raytheon Electromagnetic Division, Teledyne Systems, and finally Northrop Grumman Corporation.

After retirement Greg has spent most of his time on CW and digital modes. His pet project is volunteering with the American Red Cross in Ventura and using "Depiction" which is a software tool used in emergency operations.

Submitted by Zak, N6PK

Join Us for Dinner

Please join fellow CVARC club members for dinner this Thursday before the meeting at the Junkyard Cafe, 2585 Cochran Ave. Simi Valley. Reservation is under CVARC, for 5:30p.m. Junkyard's phone: 805-520-5865.

Please Remember Our Newbie Net

Please join our Newbie Net at 7:00 PM local time on the Bozo repeater. This is an important function of CVARC which enjoys the status under the ARRL as that of a special service club. This important on-air experience can help teach you how to mentor new members of our local ham community as well as teach them sound operating skills. You will find the frequency set-up on page 7 of this newsletter.

Start Thinking About Elections

Officers are up for election in November to begin serving their one-year terms the following January of the New Year. This is in part because CVARC does not hold a general meeting in December, owing to the holiday party instead.

The various positions appear on the roster at the end of this newsletter together with the incumbents' names.

CVARC by-laws preclude an officer from serving more than two consecutive terms. This will be in effect for the President's position, Rob Hanson, currently serving for his second year. Rob's guidance will continue from afar in the form of his service to ACS for Ventura County but we still need to elect new officers and a new President to lead the club and help with commensurate executive decisions.

The Vice President, is literally an assistant to the President, making happen much of the direction he provides. The job tends to evolve much according to the style of leadership displayed by the President. Like most Vice President's, the incumbent acts in the place of the President when the latter may not be in a position to serve, usually owing to other priority club commitments.

The Secretary maintains the club's minutes at board meetings in addition to composing letters for release to public organizations, thank you letters to those who may have donated to the club or otherwise deserve thanks, officially, from CVARC.

Our Treasurer collects funds from members' dues, donations and the occasional sale of club equipment deemed obsolete. He maintains the club bank accounts and prepares monthly financial accounting statements to ensure we know where we stand financially.

The Public Relations Director represents CVARC to the community, appearing on behalf of the club, at outside functions that may be of importance to CVARC and its contribution to the community, be that in

the form of a full service amateur radio club, a resource for emergency communications, educating young people about ham radio and the club's annual Field Day exercise. The incumbent works closely with other board members and the ACS director to ensure that CVARC is united in its outreach to our important public and community. The incumbent works closely with other board members and the ACS director to ensure that CVARC is united in its outreach to our important public and community.

The Operations Director coordinates major and minor events in which CVARC may participate from time-to-time, e.g., the all-important annual Field Day exercise.

Our Social Director coordinates various CVARC member gatherings to provide goodies and coffee at our general meetings, a monthly dinner reservation before each such meeting, and chow for just about any other event where CVARC members meet, e.g., the Annual Field Day picnic and holiday party. You want to party? If the board approves, this position's incumbent will pull it all together.

The Education Director organizes and conducts amateur radio education classes to hopefully enable graduates to pass various level amateur operator class licenses, e.g., Technician's, General Class and Extra Class Operators. The position is more than teaching but tantamount to the club's growth by attracting new hams to our hobby.

Our Technical Director (currently vacant), provides answers to hams who may temporarily lack an Elmer or have a burning question to which they seek another opinion. While this position may seemingly require someone with an engineering or advanced technical as well as ham radio expertise, it could be someone who is unusually gifted at researching answers that are indeed correct.

Our Members at Large, currently three, are numbered based on a formula that takes into account how many total members belong to CVARC. These CVARC members are voting members on the board of directors and serve as an important source of checks and balances to keep the activities of the board in close approximation of the wishes of general members.

The Newsletter Editor serves to assemble, edit, print, e-mail or post QUA CVARC, this club's newsletter reporting our monthly activities as well as important up-coming events plus articles of a technical nature of general interest to other members.

So, please talk among yourselves as to who you may wish to nominate or ask another club member to nominate you as one of our officers. It is how we stay organized, grow and serve the community.

Technical Corner

Do you live in a community with onerous CC&R's such that you believe that you may never be able to put up an antenna that gets out beyond your neighborhood?

Consider installing a magnetic loop antenna.

MFJ is perhaps best known for a commercially manufactured version. They call theirs the "*MFJ Super High-Q Loop*" antenna. It comes in two versions; one for 30 to 10 meter bands (\$419.95 for this model MFJ-1786) or the other for 40 through 15 meters (\$469.95 for that model MFJ-1788). Both come with a remote control box which remains inside the shack to control the continuous no step motor that moves a large aluminum air capacitor outside at the antenna to tune the loop to the desired operating frequency. The coax transmission line is used to pass the nominal DC current down the center to the motor. I added a 1:1 current choke in the transmission line to eliminate common mode current.

The antenna has reasonable limitations. It cannot handle more than 150 watts. If

you want a mag loop that will handle high power, you can build one using heavy PVC pipe and wire elements from a recent *QST* article.

The magnetic loop is highly directional when mounted in the more space saving vertical position, i.e., the wheel of the loop perpendicular to the ground, usually on a steel tri-pod.

When mounted horizontally, with the wheel of the loop parallel to the ground, the antenna is omni-directional but this deployment requires a minimum height of 30'.

Learning to tune the loop with the control box at the rig is tricky but I had it mastered in about an hour after carefully reading the instructions.

How well does it work? Well, mine remains on my ground floor concrete patio, surrounded by stucco on three sides and the top, a laundry room with two giant metal monsters that swallow my clothes and regurgitate them clean but must absorb RF under any condition and, mounted on a heavy steel tri-pod (MFJ-1919 for \$89.95 to gain up to 7' 8" height bearing up to 100 #'s). I fed mine with very low loss coax. It is vertically deployed facing NE/SW. On SSB voice, with only 100W, I worked Magadan, East Asiatic Russia, Hawaii, Cuba, and much of the western U.S.

Signal reports varied from barely audible to a 5-9, depending on the other stations' antennas and propagation but the point is it worked.

It looks somewhat like a TV dish antenna so much that my brother-in-law deployed his 38' above his week-day mobile home with taped letters that read "i TV." No one complains. Clever.

In summary, you may need to spend some money to get a stealth antenna that works but if you pick the right one, there are several others in the *MFJ* catalogue as well as that of *DX Engineering*, that should enable you to get on the air and stay on the air despite restrictions against wire, towers and beams.

Mike Slate, N6TEA
Editor

Tax Deductible Donations to CVARC

Amateur Radio Exam and Study Guide Websites

<http://www.qrz.com>

On the right column under “Ham Study”, go to “Practice Tests”

<http://www.eham.net>

On the left column under “Resources”, go to “Ham Exams”

<http://www.KB0MGA.net>

Log in is required

<http://www.radioexam.org>

Practice Exams

Please determine if your company is among these and contact a board member so we may help fund and grow CVARC. We cannot accept certain donations, and have to place some restrictions around them (no hazardous materials, nothing we could not sell, etc.). If you are interested, look me, or any other board member up at one of the meetings, or contact us via email (our addresses are on page 7 of the newsletter).

CVARC is an IRS-certified 501(c)3 charitable organization and donations are deductible pursuant to the IRS rules. If you have working radio equipment and ancillary equipment that you can and wish to donate to the club, please contact one of the board members and we will be happy to talk to you about the process. Many companies will either grant or match employee’s gifts to non-profit organizations like CVARC.



CVARC is recognized by the ARRL as a Special Service Club (SSC). To be a part of the ARRL’s Special Service Club program, the club must regularly show that it is actively involved in certain areas, including:

- New Ham Development and Training
- Public Relations
- Emergency Communications
- Technical Advancement
- Operating Activities

We cannot accept certain donations, and have to place some restrictions around them (no hazardous materials, nothing we could not sell, etc.). If you are interested, look me up or any other board member at one of the meetings or contact us via E-Mail (our addresses are on page 10 of this newsletter).

Send information/application to:
Conejo Valley Amateur Radio Club
P.O. Box 2093
Thousand Oaks, CA 91358-2093

Name: _____
Call Sign: _____
Class: _____
Address: _____
City, State, ZIP: _____
Telephone: (_____) _____ - _____
E-Mail: _____
ARRL Member expiration date (on QST label): _____
ACS#: _____ ARES# _____
Date: _____ Update Roster Only? _____
Family Membership: Names/Calls _____

You will automatically receive the newsletter via E-Mail. If you wish
To receive a paper copy by mail, check here: _____

New or Renewal: _____
Single Membership \$25 _____
Multi-year _____ years @ \$20/year = _____
New Ham (licensed in last 12 months) \$10 _____
Single Membership & full-time student \$10 _____
ARRL Membership Renewal (incl. ARRL form) \$ _____
Ad Space (2x3) One Year member \$35 _____
Ad Space (2x3) One Year non-member \$75 _____
Total enclosed \$: _____
Cash _____ Check Number _____
Interested in:
License Upgrades: _____ Joining ARES/ACS: _____
Disaster Action Team: _____ Earning a ham license _____

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Ventura County ACS/ARES Times and Frequencies:

Area 2 ACS/ARES members are encouraged to check in every Tuesday night at 7:00 p.m. on the Area 2 check-in nets.

Area	Time	Mode	Frequency	Shift	PL	Repeater/Notes
Area 1	7:00-7:30 pm	Voice	146.805	-	100.0	AD6SV
<u>Area 2</u>	<u>7:00-7:30 pm</u>	<u>Voice</u>	<u>147.885</u>	-	<u>127.3</u>	<u>N6JMI/BOZO</u>
<u>Area 2</u>	<u>7:10-7:30 pm</u>	<u>Voice</u>	<u>224.700</u>	-	<u>156.7</u>	<u>K6HB</u>
<u>Area 2</u>	<u>7:10-7:30 pm</u>	<u>Voice</u>	<u>449.440</u>	-	<u>131.8</u>	<u>W6AMG/Amgen</u>
Area 2	(Simplex)	Voice	146.445	None	None	Simplex
Area 2	7:00 – 7:30 pm	Voice	146.850	-	94.8	Grissom/InfoNet
Area 3	7:15-7:30 pm	Voice	147.915	-	127.3	WB6ZTQ
Area 4	7:15-7:30 pm	Voice	146.970	-	127.3	WB6YQN
Area 5	7:00-7:30 pm	Voice	145.400	-	None	N6FL
Area 6/7	7:00-7:30 pm	Voice	147.975	-	127.3	N6VUY
Area 8	7:00-7:30 pm	Voice	145.460	-	127.3	South Mtn.
County	7:30-8:00 pm	Voice	146.880	-	127.3	WA6ZTT
County	6:45-7:00 pm	Voice	52.980	-	82.5	K6SMR
County	7:30-8:00 pm	Voice	224.020	-	127.3	WB6ZTR
County	Before 6:30 pm	Packet	145.650	None	None	Hospital Net
County	(ACS Simplex)	Voice	147.570	None	None	Simplex

Other frequencies:

- 145.300 - 100 L.A. DCS / Mt Dissappointment
- 147.090 + Catalina Island
- 145.320 -114.8 TRW
- 146.730 -100.0 Hauser Peak
- 147.000 +131.8 Santa Barbara - Broadcast Peak
- 145.180 -131.8 Santa Barbara - Santa Ynez Peak
- 146.790 -131.8 Santa Barbara - Downtown
- 146.520 S National Simplex

For questions concerning ACS/ARES, please call Zak Cohen or go to the ACS/ARES section of the CVARC website at <http://www.cvarc.org>.

Net Control operations for the weekly ACS/ARES Area 2 check-in are run from the ACS/ARES communications center at East County Sheriff Station (on Olsen Road) every Tuesday starting at 7:00 p.m.

Visitors are welcome and have the opportunity to operate the station. Please contact Zak Cohen, whose info is listed above, to arrange it.

2012 CVARC Officers

President.....	Rob Hanson	W6RH	(805) 376-9350.....	rob@w6rh.com
Vice President.....	Zak Cohen	N6PK.....	(818) 991-2913.....	zcohen@ieee.org
Secretary.....	Eric Peterson	WB6PYK	(805) 479-9953.....	expeterson@gmail.com
Treasurer	Ken Segedie	WD9DPK	(818)-706-2707	ken806@earthlink.net
Public Relations	Dave Singer.....	KI6YVI	(805) 492-6667.....	singers3@verizon.net
Operations	Todd Kleopfer.....	KD6RCM	(805) 844-8708.....	kd6rcm@arrl.net
Newsletter Editor	Mike Slate.....	N6TEA	(805) 498-9590.....	n6tea@arrl.net
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Social.....	Diane Wainwood.....	KJ6JEJ	(805) 241-6967.....	winay@verizon.net
Member at Large	Byron Hesser	KJ6CRK	(805) 529-3106.....	hesser_byron@yahoo.com
Member at Large	Andy Ludlum	KI6NON	(818) 370-3402.....	ki6non@arrl.net
Member at Large.....	Mike D'Amore.....	N6MDA	(805) 496-1073.....	mike.damore@roadrunner.com



Conejo Valley Amateur Radio Club
PO Box 2093
Thousand Oaks, CA 91358-2093

Address Correction Requested



— FIRST – CLASS – MAIL –



CVARC Online

For up-to-date information and back issues of newsletters, please visit the CVARC website at <http://www.cvarc.org>. In addition to visiting the website, you may like to join the CVARC Yahoo Group at <http://groups.yahoo.com/group/CVARCDiscussion/>.

The Conejo Valley Amateur Radio Club is an ARRL affiliated Special Service Club. Meetings are held on the third Thursday of every month, except December. The meeting location is the Community Room at The East County Sheriff Station, 2101 E. Olsen Road, Thousand Oaks. Meetings start at 7:30pm with a pre-meeting social and technical assistance session from 6:30 to 7:30pm. Meetings are open to the public, and members are encouraged to bring their friends.

“QUA CVARC” is published monthly (on the Monday preceding the CVARC club meeting) by the Conejo Valley Amateur Radio Club, AA6CV, PO Box 2093, Thousand Oaks, CA 91358-2093. It is mailed free of charge to all members.

Opinions expressed in articles in this newsletter are those of the authors and do not necessarily represent the views of the club, its Board, or its members.

CVARC Membership Rates

Visitors are always welcome at our monthly meetings, and we do not pressure newcomers to join. If, however, you would like to support the club and its activities by becoming a member then we will be very pleased.

The simplest way to join (or to renew) is to write us a check bearing your address, and give or send it to our Treasurer. Make the check payable to “CVARC” and please put your call sign and/or email address, if you have one, on the memo line of your check. Name, call sign, or address changes may be e-mailed to the Treasurer. Current annual rates are: Regular Membership \$25. Family Membership \$30. Special discounts are available for new members (licensed in the last 12 months) \$10. Full-time Students: \$10. Regular members renewing for multiple years: \$20/year. Family members renewing for multiple years \$25/year.