

March  
2010

# NEWS FROM CVARC

## President's Message Brad Ormsby, WA6GLE

Field Day is just around the corner, June 26 & 27. Please consider participating this year. Our Operations Chair this year is Greg Lane, K7SDW. He has started organizing this year's event and needs your support. If you have never been a part of the Field Day Experience, I offer you a fun time, an opportunity to meet new friends and learn more about Amateur Radio. Field Day is not just for "Old Timers", it is for everyone. You can come out for a hour or stay for the day or the whole weekend. If you are newer to Amateur Radio and what to learn more, please see Greg Lane, and he will fill you in on all the details. Your family and friends are more than welcome to come share the Field Day fun too.

This month our "Radio Minute" will be presented by Roy Deschene, KE6UMW and he will talk to us about 6 Meters. It is an interesting band which is available to us and Roy will give us an overview of equipment, repeaters, antennas used in this mode. He might even share names of the local Amateurs, who are using 6 Meters, if we ask.

As a reminder, your CVARC Board meets on the second Thursday of each month at the Westlake Village City Hall Board Room. These meetings are open to all members. We begin at 7:30 PM and conclude about 10 AM. If you are interested, please ask me for more details.

*President's Message, continued on page 2*

### Inside this issue

Dinner with the Club Speaker.....	2
VE Session Results.....	2
Pasadena Radio Club CW net .....	2
HI Hams Spurred to Action by Tsunami	3
SoCal Nets .....	4
FCC Waiver News.....	5

## March Club Meeting "A Short Introduction to Encryption and Cryptography" Neil Waybright, AF6CD

Our speaker for March is Neil Waybright and he will be giving a talk on "A Short Introduction to Encryption and Cryptography".

We will cover basic history and principals of encryption and how cryptography has kept pace throughout history. There are circumstances that the FCC authorizes amateur radio operators to use encrypted communications, and in those circumstances its use is near nearly mandatory.

The talk will be basic and will not require any esoteric mathematical knowledge or experience. Topics include the history, (and non-history) of secret communications including some coverage of related topics such as steganography and chaffing. We will discuss situations where poor use of encryption has cost the using party dearly.

Neil Waybright is a Systems Engineer and former programmer with a background in military communications security.

As always, the CVARC club meeting is held on the third Thursday of the month at the East County Sheriff Station located at:

2101 East Olsen Road  
Thousand Oaks, CA 91360

The East County Sheriff Station facility is just off of the 23 freeway between Thousand Oaks and Simi Valley. We look forward to seeing you there.

*President's Message, continued from front page...*

Recently CVARC received a donation of a Kenwood TS450S Transceiver, Astron RS-35 Power Supply, RCA receiving Tube Manual and a J-38 Key. If any member would like to borrow this equipment and give it a test drive or other equipment the Club has to check out, please contact a Board Member for additional information. This is a great way to learn about different equipment and help decide what you might want to buy at the "candy store".

Our regular Club Meetings for March, April and May will be in the Cafeteria at our normal location at the East County Sheriff Station. Please remember to wear your name badge and if you have an ACS badge you can wear that as well, since we will be escorted into the station to the Cafeteria.

Please mark your calendars for April, 11 which is this year's Rotary Street Festival. We will have a CVARC table set up and need volunteers to both staff the table, talk to the Public and explain Amateur Radio. In the early AM we can use your help in directing traffic for the vendors set up, so if you can help out and want to exercise your radios, please contact Greg Lane, K7SDW for additional information. It is a fun day and the Rotary Club of Westlake Village will buy you lunch!

This month our "Shack Tour" will be at the Westlake Village City Hall Radio Room. If you are interested in this tour, please let me know. Also, please consider signing up for next month's "Shack Tour". I will ask again for volunteers at the March Club Meeting, hoping this time not to see a room filled with Amateur Radio Deer's staring into headlights! HiHi! .... ..

Remember.."BE RADIO ACTIVE"  
Brad, WA6GLE

---

### Dinner with the Club Speaker

Watch the web site for the full details on the dinner with the speaker this month. Phil has been traveling and wasn't able to prepare an article yet, but he did mention planning for "The Dugout" sports bar in Moorpark.

---

## CVARC VE Session Report February 14, 2010

The CVARC VE session of February 14 served 12 candidates. Among those who passed elements were:

Name	Call	New License Class
Alan D. Richmond	KB6IXA	General
Hui Jeong Choi	AF6UW	Extra
Jeffrey R. Stansfield	KJ6FLB	Technician
Kathleen A. Austen	KJ6FLC	Technician
Carol Sue Thomaier	KJ6FLD	Technician
John P. Patwell	KJ6FLE	Technician
Aaron C. Hixson	KJ6FLF	Technician
Kimberlee J. Galbraith	KJ6FLR	Technician
Derek J. Galbraith	KJ6FLG	Technician
Joseph W. Partlow	KJ6FLH	General

The exam sessions would not be possible without our team of Volunteer Examiners who conduct the exams in a professional and efficient manner, Rob Hanson, W6RH; Ken Larson, KJ6RZ; and John Love, K6ARA. VE sessions are one of the components that help qualify CVARC for special service club designation by the ARRL.

The next VE session is scheduled for 8:30 a.m. Sunday, April 11 at the East Valley station.

*Submitted by Jeff Reinhardt AA6JR, CVARC VE Session Coordinator*

---

### Pasadena Radio Club CW Net Kate Hutton, KD6HTN

The Pasadena (CA) Radio Club W6KA is starting up a CW practice net, which seems to have generated quite a bit of interest. We are on 28.13 MHz, where even the Techs can participate if they choose to. The time is 8 pm on Sunday evening. We have a script (which we mostly borrowed from the Associated Radio Amateurs of Long Beach) that we are going to follow very closely, to help the check-in process. Once that is accomplished, everyone will get their turn on a small soapbox, if they choose. There will be some kind of club announcement at the end.

Our nominal speed is 10 WPM, but we are glad to slow down if need be to include all interested stations. Neither of the organizers (Kate KD6HTN & Mary AG6MB) is an old hand at the code. It was just a little bit over 1 yr ago that I

wrote "Loaded the Morse program onto the PC & it works fine" in my journal, followed a few days later by "I'm certainly glad I'm being trained in the code by a computer [& not a live person], because it's training an idiot". Now I take my turn as Net Control.

---

## Hawaii Hams Spurred to Action by Chilean Earthquake

On Saturday, February 27, 60 Amateur Radio operators participated in a tsunami radio net that operated throughout the island State of Hawaii. More than 25 real-time reports from observers around the state were relayed simultaneously to the State Emergency Operating Center (EOC) and the four county EOCs, providing timely information via Amateur Radio on sea level changes to emergency management officials.

According to Ron Hashiro, AH6RH, emergency managers in Hawaii had been preparing for a tsunami from Chile for many years, following the 1960 tsunami -- following an earthquake in Chile -- that decimated Hilo on the Big Island of Hawaii. Prior to 1960, tsunamis inflicted damage to Hawaii every 17 years on average. "The 14 hour travel time for the tsunami wave provided ample time for Amateur Radio operators to assemble and coordinate a response plan," Hashiro told the ARRL. "The wave action in Hilo Bay would be of extreme interest as it would be among the earliest signs of the potential for destruction for this tsunami event." Hashiro is the Hawaii State Civil Defense (SCD) ARES®/RACES Coordinator.

Hashiro said that activity started at 8:47 PM on Friday, February 26 when key Amateur Radio operators were alerted to the 8:34 PM 8.8 magnitude earthquake in Chile. ARRL Pacific Section Emergency Coordinator Kevin Bogan, AH6QO -- who is also a State Warning Point Officer with Hawaii SCD -- received notification while he was at home preparing for his 10 PM shift. Bogan activated the Hawaii ARES® in response and then headed to the State EOC for his assigned shift where he assisted in the coordination between State ARES®/RACES and the Hawaii SCD.

Hashiro told the ARRL that he received a bulletin via text message from the Pacific Tsunami Warning Center (PTWC) at 9:02 PM and began activating the ARES®/RACES response for Oahu and the State as he returned home to further monitor the progress via the Internet and phone calls. "Coordination was handled on radio via the AH6CP UHF repeater, text messages, phone calls, Facebook and Twitter, as we awaited the evaluation and escalation to a tsunami warning," he said. "The PTWC issued the warning at 12:46 AM on Saturday, and final ham radio net instructions were relayed via the HIHAM and HAMRADIOHAWAII e-mail reflectors, Facebook and Twitter. Radio operations were to commence with the sounding of the warning sirens across the state at 6 AM. The 6:01 AM net was a bulletin-only net with instructions for starting operations at 7 AM, giving the operators time to undertake preparations."

Amateur Radio operators reported to the State and County EOCs. Hashiro, Robin Liu, AH6CP, and Mitch Pinkerton, KH6MP, responded to the State Civil Defense EOC in Diamond Head crater to operate nets on the State RACES VHF Repeater network and 7088 kHz HF. A number of SCD staff members who are also hams reported in for their normal work assignments

Chuck Oh, N6NCT, Russell Houlton, WH7O, and Jeff Sue, AH6IX, activated ham radio operations at the Department of Emergency Management County EOC in Honolulu, complementing DEM staff member Harold Buckle's, KH6HB, work activities. "The DEM EOC was packed full of personnel from many organizations," Hashiro said, "leaving room for only three ham operators. Twelve other ham responders were scheduled into shifts should the tsunami proved to be destructive."

ARRL Pacific Section Manager Bob Schneider, AH6J, and Harvey Motomura, AH6JA, operated at the Hawaii County EOC in Hilo on the Big Island of Hawaii, while Mel Fukunaga, KH6H, began operations at the Maui County EOC in Wailuku. In addition, Jack Tsujimura, KH6DQ, activated the HealthComm net for the hospitals on VHF and UHF. A net for the Church of Latter Day Saints was activated on a VHF repeater on Oa-

hu. Operations also took place on the IRLP linked VHF and UHF repeaters on Maui. The Big Island activated nets on the BIWARN around-the-island VHF/UHF repeater system and the emergency VHF repeater atop the summit of Mauna Kea, the tallest mountain peak in the Hawaiian Islands. Rick Ching, KH7O, the Hawaii Repeater Coordinator, repurposed an EchoLink setup and connected it to the State RACES VHF network, feeding audio under the EchoLink name "Hawaii Tsunami.

"Check-in nets were run at the top of each hour to test the EOC equipment and to monitor the availability of operators and their locations," Hashiro explained. "The state-wide tsunami net started at 10:45 AM with check-ins and position reports. The real-time tactical messages were monitored in each of the four county EOCs. Tight net discipline was maintained and only positive sightings of ocean changes were solicited and handled. Operators who were unfamiliar with tactical messaging and tsunami reporting were coached over the air by the net control station into crafting their reports with the key information of interest to the emergency management officials."

At 10:55 AM, James Brown, K9BCI -- who lives on the Big Island, 13 miles south of Captain Cook Island -- reported that waves near the underwater AuAu canyon were breaking at 50 yards offshore where the white caps were not previously observed. At 11:15, Laney Azevedo, WH7WX -- located on the Hamakua Coast on the Big Island in the Honolii area overlooking Hilo Bay -- reported light waves crashing over the water break that were not there before. "These were the earliest reports of sea level changes, many made from radio operators on the scene with their vehicles or handhelds," Hashiro said.

These voice messages were transcribed into e-mails and sent to key SCD staff. Hashiro and the State Warning Point staff took the messages and entered it directly into SCD's informational and reporting systems. "These timely incoming messages were posted onto 50 inch plasma display screens within moments and were made available to the PCs connected to the reporting system," Hashiro recounted. "The Governor and

SCD staff viewed the information well before the sea level changes became visible on Web cams and television news feeds. At the same time, amateurs in the four county EOCs were able to receive the same radio reports for informational updates for their EOCs."

Other operators traced the ocean changes around the Big Island, then to the harbors and rivers on Maui, Oahu and Kauai, Hashiro told the ARRL. Receding water levels on the order of 2-3 feet and 5-6 feet were reported as the various waves moved through the island chain. Real-time reporting ended at 1:08 PM and the tsunami warning for Hawaii was cancelled at 1:38 PM.

"The location reports, time-stamps and timeliness with estimates of the water height information demonstrated the professionalism of the Amateur Radio operators to the SCD staff operations and to the Governor," Hashiro said. "SCD Vice Director Ed Teixeira was again extremely pleased and grateful for these reports and extends his thanks to the Amateur Radio community for another outstanding job well done." -- *Thanks to Ron Hashiro, AH6RH, for the information*

(Reprinted from the ARRL Letter, March 4th, 2010, Reprinted by permission)

---

## Registered SoCal VHF/UHF Nets

### Pete Heins, N6ZE

Current as of February 08, 2010

#### SoCal VHF/UHF Nets:

Sunday: 3920KHz +/- due QRM LSB at 4:00pm by Rod, WI6M(DM12)

Sunday: 144.230MHz USB at 7:30pm by Gordo, WB6NOA (DM13); with News on Weak Signal work at 7:25pm; thence at 7:55pm will listen North for 144.250MHz USB net hosted by W6OMF.

Tuesday: 144.230MHz USB at 7:45pm by Ed, W6IPT(DM13)

Wednesday: 144.240MHz USB at 8:00pm by David, KI6FF(DM13)/Chuck, W6CRO(DM13) and 8:30 run by Ken N6KTH(DM04) in Santa Barbara

Thursday: 432.120MHz USB at 7:00pm by John, KE6GFF(DM13)

Friday 1296.100MHz USB 7:45pm – 8:45pm by Ralph, K6TSK(DM03); K6TSK listens North 7:45 – 8:00pm and 8:25 – 8:30pm; Local area 8:00 – 8:10pm; East 8:10 – 8:20pm; South 8:20 – 8:25pm; Local & North 8:25 - 8:30pm.

#### **NorCal VHF/UHF Nets:**

Sunday 432.100MHz USB at 7:00pm run by Mike, K6NC(CM98); he looks south around 7:25pm

Sunday 144.250MHz USB at 8:00pm by Larry, W6OMF(CM98); he looks south around 7:55pm.

Monday 222.100MHz USB at 7:45pm by Bill, AE6EQ, CM95)

Tuesday 144.250MHz USB at 8:00pm by John, KG6WLV(CM87)

Tuesday 1296.110MHz USB 7:30pm by Jim, W6PQL(CM97); looks South on 1296.100MHz SSB approx. 8:00pm +/- 15 minutes.

Thursday 144.250MHz USB at 8:00pm by Robin, W6DWI(CM98)

(This info provided by Ralph, K6TSK & Larry, W6OMF, Len, WA6KLLK, Gordo, WB6NOA, Len, WA6KLLK, & slightly massaged by Pete, N6ZE)

---

### **Classified Ads**

Classified ads are available to club members seeking to sell items of interest to other hams. Contact the newsletter editor if you have questions, or something you would like to post here.

---

### **FCC Seeks Comments for Blanket Waiver to Allow Amateur Radio in Hospital Emergency Drills**

In February 2010, the American Hospital Association ([AHA](#)) filed a request with the FCC for a blanket waiver of [Section 97.113\(a\)\(3\)](#) of the Commission's Rules "to permit hospitals seeking

accreditation to use Amateur Radio operators who are hospital employees to transmit communications on behalf of the hospital as part of emergency preparedness drills." On March 3, the FCC issued a *Public Notice* -- [WP Docket 10-54](#) - seeking comments if the Commission "should grant AHA's request for a blanket waiver of Section 97.113(a)(3) to permit amateur operators who are hospital employees to participate in emergency drills that are conducted by hospitals for accreditation purposes and that are not government-sponsored." Section 97.113(a)(3) specifically prohibits amateur stations from transmitting communications "in which the station licensee or control operator has a pecuniary interest, including communications on behalf of an employer."

Given the public interest in facilitating government-sponsored emergency preparedness and disaster drills, the Wireless Telecommunications Bureau and Public Safety and Homeland Security Bureau have provided a [process for requesting a waiver of Section 97.113\(a\)\(3\)](#) to permit named Amateur Radio operators to participate in specified government-sponsored drills by transmitting messages on behalf of identified employers. The waiver must be requested prior to the drill, and employees may not transmit amateur communications on their employer's behalf unless the waiver request has been granted by the FCC.

According to AHA, waiver relief should be available for these non-government-sponsored exercises "because it is in the public interest to ensure that hospital communications operate effectively during emergencies." The FCC noted that in its blanket waiver request, the AHA also stated that requiring separate waiver requests would be administratively burdensome on hospitals and the Commission. "AHA thus requests a blanket waiver for hospitals seeking Joint Commission accreditation, until such time as the Commission adopts a final order in response to a forthcoming Notice of Proposed Rulemaking that will seek comment on potential changes to Section 97.113(a)(3)," the FCC said.

"AHA states that hospitals seeking accreditation from the Joint Commission (formerly the Joint Commission on Accreditation of Healthcare Organizations) must prepare an emergency opera-

tions plan setting forth how the hospital will communicate during emergencies, and establish back-up communications links (which, among other means of communications, may include amateur radio stations) to communicate essential information if primary communications systems fail," the FCC pointed out in its *Public Notice*. "AHA states that hospitals seeking accreditation also are required to test their emergency operations plans twice annually."

As such, the FCC has opened up the matter for public comment. Not only are comments in favor of or against the issue of amateur operators -- who are hospital employees -- to participate in emergency drills conducted by hospitals for accreditation purposes that are not government-sponsored welcomed, the Commission is also

seeking comments addressing "whether, if blanket relief were to be granted, there would be some benefit from requiring hospitals to provide notice to the Commission concerning emergency drills they perform, and what such notice should entail."

Comments are due by Friday, April 2; reply comments are due no later than Monday, April 19. All filings should reference the docket number of this proceeding, WP Docket No 10-54. In the Public Notice, the FCC noted that this proceeding has been designated as a "permit-but-disclose" proceeding in accordance with the Commission's *ex parte* rules: "Parties making

oral *ex parte* presentations in this proceeding are reminded that memoranda summarizing the presentation must contain the presentation's substance and not merely list the subjects discussed. More than a one- or two-sentence description of the views and arguments presented is generally required." Instructions on how to paper file or file electronically are listed in the *Public Notice*.

(Reprinted from the ARRL Letter of March 4<sup>th</sup>, 2010, Reprinted by permission)

Name: \_\_\_\_\_  
Call Sign: \_\_\_\_\_  
Class: \_\_\_\_\_  
Address: \_\_\_\_\_  
City, ST Zip \_\_\_\_\_  
Tel: (\_\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_  
E-Mail: \_\_\_\_\_  
ARRL Member expiration date (on QST label) \_\_\_\_\_

ACS # \_\_\_\_\_ ARES# \_\_\_\_\_  
Date: \_\_\_\_\_ Update Roster Only? \_\_\_\_\_  
Family Membership: Names/Calls \_\_\_\_\_

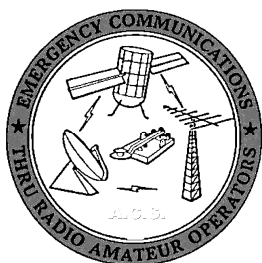
Send Information/Application to:  
Conejo Valley Amateur Radio Club  
P.O. Box 2093  
Thousand Oaks, CA 91358-2093

New Renewal  
Single Membership - \$25 \_\_\_\_\_  
Multi-year \_\_\_\_ years @ \$20 = \_\_\_\_\_  
New Ham or New Member - \$10 \_\_\_\_\_  
Single Membership, Full-Time Student \$10 \_\_\_\_\_  
Family Membership - \$30 \_\_\_\_\_  
ARRL Membership Renewal (include 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? \_\_\_\_\_  
Obtain a HAM License? \_\_\_\_\_

## Ventura County ACS/ARES Times & Frequencies

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



Area	Time	Mode	Frequency	Shift	PL	Repeater/Notes
Area 1	7:00-7:30 pm	Voice	147.930	-	127.3	AD6SV
<u>Area 2</u>	<u>7:00-7:30 pm</u>	<u>Voice</u>	<u>146.850</u>	-	<u>94.8</u>	<u>K6AER/Grissom</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	(Backup Repeater)	Voice	147.885	-	127.3	N6JMI "Bozo"
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	146.385	+	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

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 7:00pm.

Visitors are welcome and have the opportunity to operate the station. Please contact Gino Spinelli, KI6DJV at (805) 529-6101 if you would like to attend.

For questions concerning ACS/ARES, please call the Area 2 Emergency Coordinator, Jerry Goldman, KC6JSO at (805) 405-8213 or go to the ACS/ARES section of the CVARC website at <http://www.cvarc.org>.

ACS members should remember that their ACS card is issued for only two years. When your card is due to expire, please call Jerry B. Goldman KC6JSO (805) 405-8213 or (805) 493-0076 Office. Jerry works with OES on a regular basis and will track your renewal to ensure that you receive your new badge in the shortest possible time. You will need to complete a Volunteer Update form for your renewal. Jerry will email this form to you 45 days prior to your ACS card expiration date. Please make sure that Jerry has your correct email address at all times.

### 2010 CVARC Officers

President.....	Brad Ormsby .....	WA6GLE.....	(818) 991-1130.....	bormsby@sbcglobal.net
Vice President.....	Rob Hanson .....	W6RH.....	(805) 376-9350.....	rob@w6rh.com
Secretary .....	Eric Peterson.....	WB6PYK.....	(805) 479-9953.....	expeterson@gmail.com
Treasurer .....	Dave Morton.....	W7DMM.....	(805) 495-3920.....	dmorton@rain.org
Public Relations .....	Mike D'Amore.....	N6MDA.....	(805) 496-1073.....	mike.damore@roadrunner.com
Technical .....	Bill Willcox .....	KF6JQO.....	(805) 657-0351.....	wlinport@pacbell.net
Operations .....	Greg Lane .....	K7SDW.....	(805) 498-0454.....	k7sdw@verizon.net
Newsletter Editor .....	Neil Waybright.....	AF6CD.....	(805) 517-2962.....	af6cd@arrl.net
Education.....	Open.....	Open.....	Open.....	Open
Social.....	Phil Bartlett.....	K6UJO.....	(805) 499-6935.....	peb@peb.net
Member at Large .....	Hugh Bosma.....	AE6YC.....	(805) 498-1987.....	hrbrcb@aol.com
Member at Large .....	Open.....	Open.....	Open.....	Open



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



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 Web Site at <http://www.cvarc.org>. In addition to visiting the Web site, 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.

“News from 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 emailed to the Treasurer.

Current annual rates are: Regular Membership: \$25. Family Membership: \$30. Special discounts are available for; New members just licensed: \$10. Full-time Students: \$10. Regular members renewing for multiple years: \$20/year.