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The CVARC club meeting is held at 7:30 PM on the third Thursday of the month (except for December) at: The East County Sheriff's Station 2101 East Olsen Road Thousand Oaks, CA 91360

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

Trivia Corner

To obtain 1,000 watts output on 40M from a 3-500 ZG vacuum tube requires about 85-100 watts drive, depending upon amp efficiency. To avoid damaging the amplifier, what is the single most important indicator of amplifier performance in a grounded grid amplifier? (Hint: see the <http://www.w8ji.com> website)

Presidents Message by Zak Cohen, N6PK

We had a good macro-field day, which focused on antenna analyzers. A meeting discussing antenna analyzers followed the field day. CVARC has a history of reacting to the needs of the members. A question on analyzers was mentioned and we trained and practiced on them. Previously there was a question on antenna and we had a field day and played with various antennas- and then held a meeting on antennas. It is very important that you become more involved by telling us what areas you want us to focus on. We need your input.

We also had some events in the community and many members helped with the communications for those events. There are more events coming up in the future and they will be discussed at the meeting.

I want to toss in an idea – Is there any interest in having a mobile field day. Everyone has to communicate from your car (even a hand-held would qualify). This might be different and bring up different situations and problems. How about extending that out to an overnight field day in tents? Please tell us your ideas.

Keep Operating!

Zak, N6PK

CVARC Meeting and Discussion – Nov 20th, 2014

The Conejo Valley Amateur Radio Club will conduct its monthly meeting at 7:30 P.M. on November 20th, 2014 at the ECSS. We will have a presentation on new equipment by Eric Christensen K6EJC.

Eric is the manager of HRO in Burbank and has traditionally been the speaker for our November meeting. He brings some "toys" and talks about new equipment on the market.

This helps us create or “wish list” for the upcoming holiday season.

I hope you can attend.

Zak, N6PK

Food Before Nov. Meeting

For anyone interested, a few of us are getting together at Toppers Pizza, in Thousand Oaks on Moorpark Road at Janss, at 5:30 pm Thursday (11/20) before the meeting. Feel free to bring your significant other as well.

Even if you can't make the meeting just stop by for dinner.

Hope to see a good group there like in the past. This is just a one-time only thing until we can get a Social Director to schedule these in the future. If anyone is interested in this position contact Zak or any other Board Member.

Todd

KD6RCM

Field Day 2014 Final Results from ARRL

We came first in the Santa Barbara section, 12th in the division, and 155th in the country. Not too shabby. See the ARRL site or the CVARC Discussion website for details. Thank you to all that made FD 2014 such a success.

Adrian.....K6KY

Wanted: Missing Book to Borrow

200 Meters and Down, by Clinton Desoto. Todd said that it is not in the club's library. If you can help, please contact Norm—AB6ET at

campbellnm@verizon.net

(805) 990-4972

For Sale by a Member

1) Yaesu VX-5R HT Tri-bander 6/2/440 with Operator's Manual, Hand Mic, two New Earbud Mics, Charger Cord, Original and After-Market High-Gain Antenna - \$150/OBO

2) Kenwood TM-742A V/U Tri-bander - Presently loaded with 2 Meter and 440 Bands, sales slip showing its \$670 original price, Operations Manual, Control Head Separation Kit, Power Harness and Mounting Bracket, in its original box - \$470

3) Kenwood TS-480SAT - New 100W HF/50 Transceiver with Internal Tuner, stock Hand Mic and Power Harness - \$800

4) Mackie 1402VLZ Audio Mixer - 6 mic and 6 line inputs, smooth slider volume controls, a three frequency EQ circuit on all inputs, Op Manual, power cord and padded carrying case.

Perfect as an impedance and level matching device for your shack!

It provides an isolated interface for any commercial microphone or line level device... with any amateur radio mic level input.

Free personal set-up instructions - \$300.

Contact Tim, K6POI at 805 222-0023

The Case of the Missing Raffle Bag

I am sorry, but I do not remember to whom I gave the raffle bag two months ago... but last week on the newbie net he mentioned that he will not make it to the meeting. I gave my email address, but he never contacted me... and obviously I did not take notes... (actually I thought I did, but cannot find any) anyway, whoever has the raffle bag, please get in touch with me so we can make arrangements to get the bag to the meeting.

Thanks----avi, K6AVI

avi@carmi.us
[805-616-2636](tel:805-616-2636)

<http://linkedin.com/in/avicarmi>

Why They Call 6 Meters the “Magic Band” by Pete Heins

There was an extensive F-2 opening on Monday afternoon, 10 November 2014:

I worked ZL1RS (6470 mi) in New Zealand & CX7CO (6259 mi) in Uruguay. I also had a QSO with KH6HI (2537 mi) near Honolulu, HI for new grid, BL01, on 6 meters from my DM04ne QTH in SoCal.

OCF Dipole Redux: Field Testing

KK6FUT, Benjamin Kuo
 AB6ET, Norm Campbell

OCF dipoles installed at our home QTHs. Since then, we've put an OCF dipole in the air and used it at two practical application events. This one was quickly built by AB6ET the night before the CVARC Micro Field Day in the 66 foot 40 meter band dimensions. It was used again a week later at the Boy Scout Jamboree on the Air. Not only did the antenna get us on the air -- we found it will get you some serious DX!

As a reminder, OCF stands for off-center-fed, where you essentially build a dipole antenna with a feed point which is not at the center of the line. That “off center” location means that the antenna is resonant on not just one, but -- in the case of our OCF dipole -- across many bands from 40m to 2m.

The “hasty OCF” was built with scrap wire for the CVARC Micro Field Day of October 11th in Thousand Oaks. The exact same, unmodified antenna was again used during the Boy Scout Jamboree On The Air (JOTA) on October 18th in Newbury Park.

Band	Micro Field Day, 8 ft high	Jamboree On The Air, 30 ft high
40m	2.1	1.8
30m	1.8	2.1
20m	1.0	1.0
17m	2.0	2.0
15m	2.8	1.8
12m	1.2	1.2
10m	1.0	1.6

SWR Numbers upon “quick installs” as indicated above

DX On A Dipole?

There's a misconception that you need to run 1KW of power on a linear amplifier and have a multi-band, beam antenna to work DX. Using this antenna on only 100 watts, we were able to work stations across the country and around the world with ease.

The antenna went up quickly at the CVARC Micro Field Day and AB6ET was on the air making contacts. New and experienced hams were on the air on a number of bands using the rig. The longest part of the operation was carrying the equipment back and forth while setting up.

How far did we work on our hasty OCF dipole quickly set up

In the October 2014 CVARC newsletter, we detailed how to build a simple OCF dipole, and gave some of our antenna analyzer readings for

the morning of Jamboree On The Air? KK6FUT gave the Boy Scouts the amazing chance to work the Tokelau Island DXpedition (split, through a giant pileup, no less, running a mere 100 watts on 10m) at ZK3E; all the way to Malaysia (9W6EZ) with a 5-9 report; two contacts to the Island of Borneo (9W6ZUL and 9M4SWK); Costa Rica (TI2SD); nearly a half dozen stations in Japan (7J1BAR, JA3JOT, JA1LLY, JH1CDR, JA2XLV); Patagonia (LU7VCH); and Brazil (PR8ZX), not to mention dozens of stations in the US (as far as the far tip of Maine, W1H.)

We were helped by both very favorable band conditions on 10m (high solar flux index) as well as a very nice hilltop location at Banyan Park, but the proof is in the contacts that even a dipole installed at 30 feet can work magic on the radio waves.

More Notes about Construction

The hasty OCF was built with #12 solid copper wire. Stranded wire can be used and would probably be easier to work

with. Anyone looking at this one closely saw wire soldered on to adjust the length a little. Experimenting with other wire sizes would probably result in different SWR numbers and band width, but this is not the 100 year antenna. Put it up, take it down, try different things. Also consider weight of the wire, balun, and coax when suspending the antenna. We used light polypropylene rope between trees. A more permanent installation would need stronger suspension lines.

The feed line was 100 feet of RG-58. The balun was the MFJ-913. The 4:1 balun is used to match the OCF 200 ohm impedance at the feed point with the 50 ohm coax.

The antenna installation at both of these events was droopy in the middle because it was not supported. Tying up the center feed point might do something for strength and propagation. Try experimenting.

Ideas and Conclusions

What did we gather from this experiment?

An OCF dipole can be quickly constructed with only a minimal amount of parts and cost (in this case, scrap wire and a balun, plus coax.)

Even in a temporary location only 10 feet off the ground, you can work local or the entire U.S.

Even in a temporary location only 30 feet off the ground, this is a DX antenna!

Ideas for club members:

- ▲ Antenna restricted? Install a flag pole for your U.S. Flag, and also use it for your temporary OCF dipole. You can run the feed line midpoint of your OCF up your flag pole in about two minutes, work some stations, and pull it down five minutes later!
- ▲ Use the OCF for your emergency / portable operations! Launch some line up into a tree -- even only 10 feet off the ground -- and you're on the air.

Build it, try it, use it. Experiment. Share your experiences.

***KK6FUT, Benjamin Kuo
AB6ET, Norm Campbell***

CVARC VE Session Report – October 12, 2014

The October CVARC VE session served just 3 candidates; among those who earned new licenses or upgrades were:

Name	Call	New License Class
William Aaron	KK6POP	Technician
Bernard Rue	K6IJN	General

The next CVARC VE session will be held Sunday, December 14 at 8:30 a.m. at the East Valley Sheriff Station

CVARC VE sessions are sanctioned by the ARRL VEC and are conducted by a team of experienced Volunteer Examiners. Participating Volunteer Examiners at the

June session included Ken Sandberg, KS3I; Rob Hanson, W6RH; Noel Van Slyke, K6NVS; Hugh Bosma, AE6YC and George Tamayo, WD6EJO. CVARC Volunteer Examiners donate their time to help advance Amateur Radio and their assistance is greatly appreciated. VE sessions are one of the components that help CVARC qualify for the ARRL's special service club designation.

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

Your thoughts at our upcoming meeting are welcome.

ELECTION NIGHT THIS NOVEMBER

Please be sure to make every effort to attend our November meeting to help nominate and elect new officers to serve CVARC in 2015.

All offices are up for consideration. (Presidents are limited to two terms). If you like to participate and especially guide, here is your chance to serve the club and enjoy yourself.

CVARC ONLY CONTEST?

In addition to the mobile contest mentioned in Zak's President's Message, we will discuss another format at the November meeting.

How about a week-end contest, limited to CVARC members, operating from their home stations? The most number of contacts with other CVARC members only, wins!

To keep a level playing field, there would be no limitations as to mode, band, frequency, etc., such that a technician working with a hand held transceiver off of a repeater would have just as much opportunity to win as someone running a full legal limit station into a big antenna high up on a tower.

Members might use the call out, "QUA CVARC," i.e., "calling all CVARC members," to discourage other hams who are not CVARC members from responding.

The idea is to get to know one and other on the air, including those who rarely if ever attend any other club functions.

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



Tax Deductible Donations to CVARC

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.

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 up, or any other board member, at one of the meetings or contact us via email (our addresses are on page 8 of the newsletter).

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

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 \$30: 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 _____
Family Membership \$30 _____
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 _____

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.

Please note that the detailed list of ACS/ARES frequencies, repeaters, off-sets, etc. is available on the Internet.

The official frequency list was updated 9/20/2013 and is available at: <http://vc-ares.org>. [Please note that these frequency charts are notoriously difficult to edit. If you see an error, please bring it to the Editor's attention. Thank you.]

For quick reference, you may wish to pick a local repeater, shown courtesy of Zak Cohen, with their offsets/PL from the abbreviated list below:

- 146.805 – 100.0 Simi Valley AD6SV
- 147.885 - 127.3 Thousand Oaks - BOZO N6JMI
- 147.915 - 127.3 Camarillo WB6ZTQ
- 146.970 - 127.3 Oxnard WB6YQN
- 145.400 - NIL Ojai Valley N6FL
- 147.975 - 127.3 Ventura N6VUY
- 146.385 + 127.3 Santa Paula & County Wide SOUTH MOUNTAIN WB6ZSN
- 145.460 - 127.3 Moorpark K6ERN
- 146.880 - 127.3 Red Mt / County / SMRA County Wide WA6ZTT
- 146.850 - 94.8 Thousand Oaks - Grissom N6EVC
- 224.700 - 156.7 Thousand Oaks – Grissom K6HB
- 223.960 - 141.3 Thousand Oaks - Rasnow Peak N6CFC
- 445.580 - 100.0 Simi Valley K6ERN
- 449.440 - 131.8 Thousand Oaks (AMGEN) W6AMG
- 447.000 - 103.5 Camarillo Springs K6ERN

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 below, to arrange it.

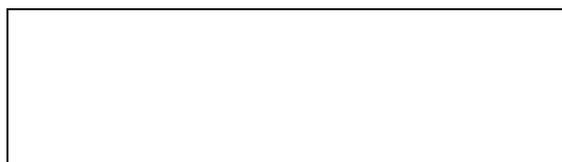
2013 CVARC Officers

President.....	Zak Cohen.....	N6PK.....	(818) 802-8211.....	zcohen@ieee.org
Vice President.....	(currently vacant).....			
Secretary.....	Jim Feldman.....	W6CWM.....	(530) 248-3365.....	jdfeld@verizon.net
Treasurer.....	Christian Ylagan.....	KD6DWT.....	(202) 558-2009.....	kd6dwt@verizon.net
Public Relations.....	Diane Wainwood.....	KJ6JEJ.....	(805) 241-6967.....	kj6jej@yahoo.com
Technical.....	Avi Carmi.....	K6AVI.....	(805) 616-2636.....	avi@carmi.us
Operations.....	Adrian Jarrett.....	K6KY.....	(805) 915-7562.....	g4frz@hotmail.com
Newsletter Editor.....	Mike Slate (acting).....	N6TEA.....	(818)-917-6868.....	n6tea@arrl.net
Education.....	Tim Wheeler.....	K6POI.....	(818) 541-0321.....	k6poi@arrl.net
Social.....	(currently vacant).....			
Member at Large.....	Todd Kleopfer.....	KD6RCM.....	(805) 844-8708.....	kd6rcm@arrl.net
Member at Large.....	Andy Ludlum.....	KI6NON.....	(818) 370-3402.....	ki6non@arrl.net
Member at Large.....	Charles Pember.....	KG6CLT.....	(805) 495-6701.....	crpember@aol.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 e-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.