



RF



ORANGE COUNTY AMATEUR RADIO CLUB, INC.

VOL. LI NO. 4

P.O. BOX 3454, TUSTIN, CA 92781-3454

April 2010

The Prez Sez.....

by Kristin K6PEQ



It has been a lot of fun serving this club. Unfortunately, I have gotten word that the impeachment process has begun. I have managed to be in charge for only several months but have already caused enough problems to evoke this. Per my picture, you can see I am already working on a new identity. I have no words to describe how I feel about this except April Fools! ☺ I know we are going to have a

smaller turn out for the April meeting but if you are not going to the DX Convention or Baker-2-Vegas come support the club at the meeting! There is going to be a great raffle and an interesting video on the Queen Mary station. I have loved the Show-and-Tells that have happened the last few meetings and encourage all of you to bring something to share! We have some great speakers lined up for upcoming months and field day is right around the corner! I hope to see you all at a breakfast meeting, the May meeting or on the air!

73,

Kristin, K6PEQ

NEW BREAKFAST DATE

The Breakfast board meeting date has been moved to the Second Saturday of every month, so the next Board meetings will be held on April 10th, 2010 and May 8th 2010.

--- OCARC---

April 16th Meeting

The meeting for April 16th will be handled by Loran AF6PS and Steve N1AB and will be a DVD about the Queen Mary amateur radio station.

In This Issue: Page

The PREZ SEZ	1
April Program	1
CLUB INFORMATION	2
ARRL Convention Registration ..	3
Baker 2 Vegas Preparations	4
Repeater and Simplex Issues ..	5
Antenna Project for KI6DHT	6
Antenna Project Photos	7
OCARC March Meeting	8
OCARC Board Minutes	10
Cyber Hamming	11
HAM Cuisine	12
ARRL Contest Calendar	13
OCARC Field Day Update	14
New Ham Radio DVDs	15

The next general meeting will be:

**Friday, April 16th
@ 7:00 PM**

We will be meeting in Room 208
In the east Red Cross Building

**ORANGE COUNTY
AMATEUR RADIO CLUB**
www.W6ZE.org



2010 Board of Directors:

President:

Kristin Dankert, K6PEQ
(714) 544-9846
K6PEQ@w6ze.org

Vice President:

Paul Gussow, W6GMU
(714) 624-1717
W6GMU@w6ze.org

Secretary:

Kris Jacobs, KC6TOD
(562) 691-7898
KC6TOD@w6ze.org

Treasurer:

Ken Konechy, W6HHC
(714) 744-0217
W6HHC@w6ze.org

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(714) 777-9018
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Activities:

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(714) 639-5074
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(714) 693-9778
AF6CF@w6ze.org

Larry Mallek, K6YUI
(562) 691-7898
K6YUI@w6ze.org

2010 Club Appointments:

W6ZE Club License Trustee:

Bob Eckweiler, AF6C
(714) 639-5074
AF6C@w6ze.org

Club Historian:

Bob Evans, WB6IXN
(714) 543-9111
bobev@netzero.net

RF Editor (rotating):

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(714) 742-2459
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W6HHC@w6ze.org

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Bob Eckweiler, AF6C
(714) 639-5074
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ARRL Awards Appointee:

Arnie Shatz, N6HC
(714) 573-2965
N6HC@aol.com

Larry Beilin, K6VDP
(714) 557-7217
K6VDP@aol.com

OCCARO Delegate:

Steve Brody, N1AB
(714) 974-0338
stevebrody@sbcglobal.net

Monthly Events:

General Meeting:

Third Friday of the month
at 7:00 PM
American Red Cross
601 N. Golden Circle Dr.
(Near Tustin Ave. & 4th St.)
Santa Ana, CA

Club Breakfast:

Second Saturday of every
month at 8:00 AM
Jagerhaus Restaurant
2525 E. Ball Road
(Ball exit off 57-Freeway)
Anaheim, CA

Club Nets (Listen for W6ZE):

28.375 ± MHz SSB
Wed- 7:30 PM - 8:30 PM
Bob AF6C, Net Control

146.55 MHz Simplex FM
Wed- 8:30 PM - 9:30 PM
Bob, WB6IXN, Net Control

145.400 MHz (-) PL 103.5 Hz
Thur – 8:00 PM – 9 PM
Nicholas AF6CF, Net Control

7.086 ± MHz CW **OCWN**
Sun- 9:00 AM – 10 AM
John WA6RND, Net Control

VISIT OUR WEB SITE

<http://www.w6ze.org>

for up-to-the-minute club
information, the latest
membership rosters, special
activities, back issues of RF,
links to ham-related sites,
vendors and manufacturers,
pictures of club events and much
much more.

Club Dues:

Regular Members	...\$20
Family Members*	...\$10
Teenage Members	...\$10
Club Badge**\$3

Dues run from Jan thru Dec and are
prorated for new members.

*Additional members in the family of
a regular member pay the family rate
up to \$30 per family.

**There is a \$1.50 charge if you'd
like to have your badge mailed to
you.

2010 ARRL Southwestern Division Amateur Radio Convention September 17, 18 & 19 San Diego, California



Four Points, By Sheraton Hotel San Diego

<http://www.sandarc.org/>

8110 Aero Drive, San Diego CA 92123 Phone: (858) 277-8888

Registration Form

Please list additional Attendees - ALL ATTENDEES MUST BE REGISTERED

No charge for Children 16 or under when Accompanied by a Registered Adult

How did you find out about the Convention?

☐ Radio ☐ Web search ☐ Ham Club ☐ News Paper ☐ Other _____

Call Sign: _____ Last Name: _____ First Name: _____

Address: _____ City: _____

State: _____ Zip Code: _____ E-mail: _____

Kids / Adults Call Sign Name (please print)

Early Bird Dated before May 31, 2010

\$15.00 @ _____ ea. = \$ _____

Convention Pins Included (Limited Supplies)

Pre Registration June 1, to Aug. 22, 2010

\$18.00 @ _____ ea. = \$ _____

At Door Registration

\$20.00 @ _____ ea. = \$ _____

Accompanied kids under 16 years Free

DX Breakfast

\$23.00 @ _____ ea. = \$ _____

Banquet Tickets Dinner ☐ Beef ☐ Chicken ☐ Vegetable

\$43.00 @ _____ ea. = \$ _____

Banquet Speaker: *To Be Announced*

Convention Lunch

\$25.00 @ _____ ea. = \$ _____

Lunch Speaker:

2010 Convention Pins

\$ 5.00 @ _____ ea. = \$ _____

2006 Convention Pins

\$ 3.00 @ _____ ea. = \$ _____

2002 Convention Pins

\$ 3.00 @ _____ ea. = \$ _____

QSL Card Checking

Make Checks payable to:

SANDARC Convention

C/O R. Boehme W2IRI

10340 Everell Pl.

Santee, CA 92071

Web Form ver 1.03

Staff Use Only

Registration _____
Date _____
Amount _____
Check # _____
Pins given _____
Receipt _____
Signed up _____
Other _____
Other _____

The COAR RACES HAMS

Prepare Communications for Baker-2-Vegas Running-Relay-Race – 2010

by Ken W6HHC

Each year, over 250 law enforcement agencies participate in a relay foot race through the desert, called “Baker-to-Vegas”...or just “B2V”. The race is scheduled for April 17-18 and consists of 20 legs that begin near Baker (in California) and heads towards the small town of Shoshone...and then heads over the mountains to Pahrump and then on into Las Vegas.

The hams of the City of Orange COAR RACES group have been planning to provide communications for the Orange PD running team along the entire 120-mile course. The photo below was taken at a COAR B2V planning meeting, held in February. Over 35 hams, including 10 hams from OCARC, will be helping COAR provide communications during this year's race.

2010 Orange PD Baker-2-Vegas Race Communications by COAR RACES



(Front kneeling) Robbie-KB6CJZ, Mike-KI6QJC, Kathleen-K6IBH, “Gabby” dog of Kevin-KG6MIH, Kevin-KG6MIH, Bev-KI6APH (standing L-R) Ken-W6HHC, Steve-KB6ROL, Dieter-N6ZKD, Mike-WA6OUE, Nicholas-AF6CF, Bruce-KC6DLA, Kris-W6KJC(in back) Rich-KR6BA, Sam-W6RDS, Rich-KE6WWK (COAR Radio Officer), Les-KM6SQ, Cam-WV6V, Jay-KK6OZ, Steve-KI6DDE, Susan-WU6U, Sarah-KI6CUJ, Dick-K6ISY, George-KK6KN (in rear), Polly-KI6CUK, Bill-W6VVO, David-KG6RWU, Mike-KG6KWJ (hidden in rear), Mike-KF6WRM, Bobbie-KG6MIF, Joy Matlack-KD6FJV (B2V Race Communications Director), Cliff-KG6MIG, Rich Whited-KG6JKJ (from B2V Race Communications), Deb Klein (Orange PD Volunteer Coordinator)

Photo by Ken W6HHC

Repeater and Simplex Issues

by OCRACES Capt. Ken Bourne, W6HK, Chief Radio Officer

(Reprinted from **County of Orange RACES** magazine **NET CONTROL**)

We need to pay attention to a couple of recent FCC and TASMA (Two Meter Area Spectrum Management Association) decisions. On December 9, 2009, the Federal Communications Commission dismissed a Petition for Rulemaking filed on March 23, 2009, by Murray Green, K3BEQ, concerning the operation of repeater stations in the Amateur Radio Service. Green requested the FCC to amend Section 97.205(e) of its Rules to prohibit a repeater station licensee or control operator from limiting the use of a repeater to only certain user stations, unless a user blatantly violates the Commission's Rules. Green argued that Section 97.205(e), which says, "Limiting the use of a repeater to only certain user stations is permissible," conflicts with Section 97.101(b), which says, "Each station licensee and each control operator must cooperate in selecting transmitting channels and in making the most effective use of the amateur service frequencies. No frequency will be assigned for the exclusive use of any station." The FCC, in its denial of Green's petition, concluded that Section 97.205(e) does not establish an exclusive assignment of a frequency to a repeater. The Commission said, "Coordination does not and cannot result in assignment or establish control of an amateur service channel, and nothing in the rules prohibits other amateur stations from using the channels for which a repeater has been coordinated when they are not being used by the repeater. Section 97.205(e) merely enables a repeater licensee or control operator to control the repeater so that he or she can ensure the repeater is properly operated as required by Section 97.105 (a). Accordingly, there is no conflict between the rules."

All OCRACES open and closed repeaters are coordinated, but that does not give exclusive rights to the repeater frequencies, just rights to the repeater licensee or control operators to limit the use of the repeaters to only certain user stations. The repeaters are privately owned by OCSD, and OCSD's control operators can say who can or cannot use the repeaters. For example, if an individual or group monopolizes one of our open repeaters, we have the right to request them to cease such monopolization or to limit their communications to a specific amount of time, or even to discontinue all operations on our repeater. Likewise, we advise OCRACES members to avoid monopolizing other repeaters. However, the repeater *frequencies* are not exclusive! Section 97.205(c) says, "Where the transmissions of a repeater cause harmful interference to another repeater, the two station licensees are equally and fully responsible for resolving the interference unless the operation of one station is recommended by a frequency coordinator and the operation of the other station is not. In that case, the licensee of the noncoordinated repeater has primary responsibility to resolve the interference."

Amateur repeater frequencies are shared. Coordinators such as TASMA try to keep such shared frequency repeaters as geographically far apart as possible, to limit interference. If the repeaters use different subaudible-tone ("PL") decoder frequencies, the users of one repeater will not key up other repeater on the same frequency. Furthermore, if the repeaters regenerate the subaudible tones, the repeater users have the option of using subaudible-tone decoders in their receivers to hear only their own repeater. OCRACES has coordinated simplex frequencies for itself and City RACES units. We do not own these frequencies, and must share them with all other amateurs who wish to use them. At least a

couple of City RACES units have recently “lost” a coordinated 2-meter simplex frequency due to TASMA reassigning a block of former simplex frequencies to D-STAR repeater usage. OCRACES has also “lost” one of its simplex frequencies because of TASMA’s action. Therefore, we are currently reconfiguring this coordination, and some additional sharing of frequencies will probably be needed. The new TASMA-recognized band plan designates digital voice repeater inputs from 144.985 MHz to 145.015 MHz, and outputs from 147.540 MHz to 147.570 MHz.

DIGITAL VOICE REPEATER PAIRS	
Input	Output
144.985 MHz	147.540 MHz
144.995 MHz	147.550 MHz
145.005 MHz	147.560 MHz
145.015 MHz	147.570 MHz

This creates four frequency pairs for very narrow band (compatible with 10-kHz channel spacing) full-duplex digital voice repeaters such as DSTAR systems. Coordination is required. When conducting a RACES net or drill on a simplex frequency, even under FCC RACES Rules that prohibit communicating with non-RACES stations, we must avoid interfering with other stations using the frequency. We have priority on a frequency only during an emergency. Section 97.101(c) says, “At all times and on all frequencies, each control operator must give priority to stations providing emergency communications, except to stations transmitting communications for training drills and tests in RACES.” OCRACES no longer conducts its training drills and even most of its emergency nets as FCC-defined RACES operations. Note that the FCC Rules do NOT define RACES units or organizations, just RACES operations. Our OCSD RACES (aka OC RACES) unit is really an ACS (Auxiliary Communications Service) unit, as defined by Cal EMA, operating under FCC Amateur Radio Service Rules, and not under the FCC RACES Rules, unless we so choose such operation, or if RACES is the only operation permitted by the FCC on amateur frequencies because of a declaration of President’s War Emergency Powers. Therefore, during an ACS drill or emergency activation, we may communicate with any amateur station on frequency, RACES or non-RACES. During a directed weekly net or drill, we may prohibit communications between net members and non-participants. During a controlled emergency net, we may prohibit or (preferably) limit all communications on the repeater not related to the emergency.

Antenna Project for Mike KI6DHT

by Ken W6HHC



Photo by Ken W6HHC

A few friends from the OCARC gathered to help Mike KI6DHT prepare a base for mounting a multi-band HF vertical antenna. The antenna will mount on top of a 10-foot section of electrical thin-wall-conduit and the conduit will slip inside the base pipe that you see in the pictures below. Shown in the PIXs are Arnie-N6HC, Bob-AF6C, Jeff-W6UX, and Phil-KI6VEN (not shown are Ken-W6HHC and of course Mike-KI6DHT). When the entire project is completed, the new vertical should work much better than the current “under-the-eaves” stringing of wire.



Photo by Jeff W6UX



Photo by Ken W6HHC



Photo by Ken W6HHC

OCARC

General Meeting Minutes

03-19-2010

All of the club officers were present for a quorum.

Kristin K6PEQ opened the meeting with the Pledge of Allegiance. She then introduced our guest speaker – Carl Cardenias WU6D our ARRL Section Manager.

Carl's presentation included a slide presentation of the new 160 meter antenna setup on his property. The planning and detail was incredible and Carl also showed how he was able to create this antenna at the least cost possible.



Fig 1 – Our Speaker was ARRL Section Manager Carl WU6D talking on building a 160M vertical and the WIDGET Factory

In his many slides Carl showed how the antenna was assembled with the end result... many happy friends coming over to work 160 meters. Carl and Cathy are very gracious and open their home and radios to willing operators

Carl is an advocate of the success of the Ama-

teur Radio Expo. The Amateur Expo participates at the Los Angeles County Fair, the Rancho Cucamonga Wine Fair, the Perris Fair and the Yuma Ham Fest.



Fig 2 – The Ham Expo 2009 was a great way to tell the public about ham radio

The Widget Factory is a neat setup which attracts young people and even their parents are fascinated.



Fig 3 – The WIDGET FACTORY advertised FREE FUN and drew in the kids.

Check the Orange Section Newsletter or contact Carl WU6D to see when and where the next Amateur Radio Expo can be found.

I would like to recognize Ken W6HHC for taking the pictures which I use in my notes. Thank you Ken!

SHOW & TELL - Gary is one of our newest members and he has had some fantastic show and tell items! As you can see in the picture he used a tape measure to create a satellite antenna.



Fig 4 – Show-n-Tell with Gary K6EKE explaining his home-brew “tape measure” satellite antenna.

Remember if you have something for the Show and Tell bring it to the next meeting on April 16th, 2010.

Field Day 2010 is set; the location has been finalized with the help of George N6VNI. Field Day 2010 will be at the Walter Knott School in Buena Park. Ken W6HHC and Doug W6FKX will co-chair Field Day. Volunteers are needed for setup, operating and tear down. So please get in touch with either Ken or Doug if you are available.

GOOD of THE CLUB – back copies of the RF are available on the OCARC website, if you have any copies you would like to donate, please contact Bob AF6C .

Just a reminder that the ORARC Board Meetings will now be held on the second Saturday of each month at 8:15 AM at the Jagerhaus Restaurant, 2525 East Ball Road Anaheim. Visitors are welcome.

The W6ZE will have an additional net on Thursday evenings on the WARA 2 meter repeater 145.400 at 8:00 PM; Nicolas AF6CF will be the net coordinator. Please check in and say hello.

Motion to adjourn at 8:30 pm by Paul W6GMU, seconded by Larry K6YUI. Followed by the raffle.

Submitted by:
Kristine Jacob KC6TOD
OCARC Secretary



OCARC**Board Meeting Minutes****03-13-2010**

Anaheim, at 8:14AM Saturday, March 13, 2010. There were a total of 8 directors and 3 visitors – Diane Konecky, George N6VNI, and Steve N1AB. There was a quorum with the directors' present.

DIRECTOR REPORTS:

- Vice President Paul W6GMU - the calendar for speakers is filled with the exception of July and November.
- Treasurer Ken W6HHC –Balance on hand \$5861.00.
- Kristine –KC6TOD – asked if she missed anything in February for the good of the club.
- Dan – N6PEQ - absent
- Loran AF6PS Membership – reported we have three (3) new members and reminded about membership renewals.
- Bob AF6C – Badges up to date, the roster is now on the data base. Membership list is password protected
- Robbie KB6CJZ – handouts are now available and flyers are at HRO
- Nicholas AF6CF reported that the net on WARA Thursday nights is coming along. Good job!
- Larry K6YUI – absent

OLD BUSINESS:

- **RF Newsletter “Rotating” Editors – thank you to all who volunteer!**
 - April – Doug Britton W6FKX
 - May – Kristine KC6TOD
 - June – Ken W6HHC
 - July - Paul W6GMU
 - August – Kristin K6PEQ

- **2010 Field Day Plans –**

- Location has been confirmed thanks to George N6VNI, he did the leg work, coordinated with the school district – two days before Field Day he will pick up the keys to the restrooms. We are all set to go starting at 11:00am on Friday, June 25th.
- Publicity for Field Day will have a press release, Ken to send information to Robbie,
- Organization of Band Captains – we are looking for additional volunteers
 - GOTA – Steve N1AB with the help of Phil KI6VEN
 - 20 Meter phone – Ken W6HHC
 - 20 Meter CW – Paul W6GMU
 - 40 Meter Phone – Doug W6FKX
 - Looking for additional team captains

We will contact the Catalina club and also the Boy Scouts from Redondo Beach, they are enthusiastic and very helpful.

The Chuck Wagon will be volunteers – sandwiches and pizza, beverages refilled, etc. Very simple.

- **Red Cross Donation** – check will be given directly to Tom Woodard by Ken W6HHC.
- **Eyeball Cards** – Project in process - Robbie KB6CJZ and Nicolas AF6CF to work on card.

NEW Business

- **Orange County Fair/OCCARO dues** – the dues of \$20.00 and the donation for the Orange County Fair \$50.00 will be paid at the April 14th OCCARO Meeting. Kristin will make arrangements OCARC's days at the OC Fair.

NEW Business (continued)

- **Baker to Vegas** – Friday, April 16th to 18th, 260 teams approximately will be participating. The City of Orange RACES and COAR – City of Orange Amateur Radio group – Ken W6HHC, Robbie KB6CJZ, Nicolas AF6CF and Bob AF6C will be working as communicators for the race.
- **April 16th** weekend also is the DX Convention in Visalia – many of the OCARC board members (Kristin K6PEQ, Dan N6PEQ, Kristine KC6TOD, Larry K6YUI, and Paul W6GMU) will be attending the convention. Loran AF6PS and Steve N1AB will be handling the monthly meeting. The program will be the DVD of the Queen Mary.

GOOD OF THE CLUB – Tech Talk #83 converted to German by Hans Haus –DC8UE.

Motion made to adjourn meeting by Paul W6GMU and seconded by Nicolas AF6CF.

Meeting adjourned 9:06 AM

Respectfully submitted:

Kristine Jacob KC6TOD, Secretary

**Cyber Hamming****By Doug Britton W6FKX**

The internet can be an amazing tool. Pick your favorite search engine, enter a key word and be prepared to spend some time going deeper and deeper into the rabbit hole. I thought I would contribute a few websites that I've found interesting or helpful that has increased my enjoyment of amateur radio. If you are like most people in So-Cal you may also spend more time driving or idling in your mobilehamshack than you prefer. I've been listening to podcasts on my iPod to pass the time. In this brief article I thought I'd introduce one to you that I've found interesting. Let me know what you think!

Websites:

<http://www.allaboutcircuits.com/> (Helped me when I studied for the Amateur Extra exam)

<http://www.njdx.org/dx-tools/beam-headings.php> (Enter your lat/long or zipcode and automatically generate beam headings to all the DXCC entities, if only I had a beam...)

<http://www.radio-kits.co.uk/> (Check out the MKARS80 kit. To my relatively "newby" eyes, this looks like a great kit radio to build for my camping trips. What do you think?)

Podcasts:

ICQ Podcast "The Practical Amateur Radio Podcast, Creating Elmers one podcast at a time."

You can find this podcast on iTunes or Microsoft Zune, or download it directly from

<http://www.icqpodcast.com/>. The podcast is produced in England and does discuss their local issues but they are targeting a world wide audience so most of the podcast is relevant and interesting.

73, Doug W6FKX



Ham Cuisine

by Kristin, K6PEQ

Black Bean Spotted Owl Chili

Ingredients:

1 pound lean spotted owl
1 medium red OR green bell pepper, chopped
1 medium onion, chopped
4 cloves garlic, minced
1 1/2 teaspoons ground cumin
2 15-oz. cans black beans, rinsed and drained
1 14 1/2-oz. can diced tomatoes, un-drained
1 cup water
2 teaspoons dried oregano, crushed
1/2 teaspoon salt
1 teaspoon lime juice
Shredded Cheddar cheese
Nonstick cooking spray
Flour tortillas (optional)

Directions:

Coat heavy, large covered pot with nonstick cooking spray and heat over medium-high heat. Add owl, bell pepper, onion, garlic and cumin. Cook and stir until the owl is brown and vegetables are tender, stirring occasionally. Drain off fat. Stir black beans, un-drained tomatoes, water, oregano and salt into mixture in pot. Bring to boiling; reduce heat. Simmer, covered, for 30 minutes. Uncover; simmer about 15 minutes more or until desired consistency. Stir in lime juice. Ladle into soup bowls. Sprinkle each serving with Cheddar cheese. Serve with tortillas, if desired.

**April Fools!!! No owl was harmed in the making of this recipe!
Please substitute pork for a lovely black bean pork chili! ☺**



Attention Members!!!

Do you know a fellow ham that would be interested in joining OCARC? Do you have a friend that is curious about ham radio and wants to learn more about our hobby? Why not invite him or her to one of our exciting monthly meetings?!?! The meetings are fun, informative and entertaining. And don't forget about the raffle prizes too.

So bring a visitor to one of our meetings, and help **your** club expand!

Make sure to inform your friends of our club's website, which is always kept up to date. Information on club meetings, activities and our newsletter archive make it a worthwhile site to surf! <http://www.w6ze.org>

2010 ARRL CONTEST SCHEDULE

June	12 - 15	ARRL June VHF QSO Party
	19 - 20	ARRL Kids Day
	26 - 27	ARRL Field Day
July	10- 12	IARU HF World Championships
August	7 - 9	ARRL UHF Contest
	21 - 23	ARRL 10 GHz and Up Contest
September	11 - 14	ARRL September VHF QSO Party
	18 - 20	ARRL 10 GHz and Up Contest
November	6 - 9	ARRL November Sweepstakes (CW)
	20 - 23	ARRL November Sweepstakes (Phone)
December	3 - 6	ARRL 160 Meter Contest
	11 - 13	ARRL 10 Meter Contest

**Planning continues
for
OCARC Field Day 2010**

The planning continues for the OCARC Field Day 2010. We need a few good hams to fill in some organizing leadership positions. We need lots of members to plan to come out, help, and have fun.

1) FD Co-Chairmen

Ken W6HHC and Doug W6FKX are co-chairmen for FD

2) Band Captains confirmed

So far, the following people have volunteered as Band Captains

- 20M PH – Ken W6HHC
- 20M CW – Paul W6GMU
- 40M PH – Doug W6FKX
- 75M/15M Ph – 50% commitment by the Catalina Repeater gang at this point
- 2M (and 6M...maybe UHF, too?) – Robbie KB6CJZ
- GOTA – Steve N1AB

3) Looking for Band Captains

It would be really great if someone would be willing to organize:

- 40M CW
- Any other band is welcome (10M, 160M etc.)

4) Organize Food

This year the number of operators may not be as large as last year. We are looking for one or two people to get together to help OCARC organize food. We have lot's of possibilitiescook, buy McDonalds or Pizza or Subways, use a caterer????? We just need a couple people to help us organize for food.

5) Field Day Site

George N6VNI has obtained permission allowing OCARC to use Walter Knott Elementary School field in Buena Park this year for FD.

6) Field Day Set-up Plans

- Set-up is planned to begin at 1 PM on Friday afternoon
- Tear-down will begin at 11 AM Sunday morning.

Let us know if you can help the OCARC Field Day planning efforts.....

...de Ken W6HHC W6HHC@W6ZE.org

...de Doug W6FKX W6FKX@W6ZE.org

**ARVN Presents the
ARRL and TAPR
2009 Digital Communications Conference
6 DVD Set**

The **2009 DCC** was a three-day conference (see www.TAPR.org/dcc.html) held in late September near Chicago (same location as the 2008 DCC). It featured seventeen presentations from hams on the leading edge of digital communication and experimentation, including **equipment design and construction**, **Software Designed Radio**, **AMSAT / ARISSat**, **packet** and **D-STAR networking**, **advanced APRS**, and **Digital-ATV**, all available on six DVDs from ARVN.

See details at www.arvideonews.com/dcc2009/index.html

DVD 1 Projects	<ul style="list-style-type: none"> • Larry Wolfgang WR1B: Surface Mount Construction. Larry tackles his first surface mount construction project, with tips and techniques to help make your first one a success. 38 min. • David Bern W2LNX: A PS/2 Keyer. Why replace your computer keyboard and mouse with a CW keyer? Because you can! 41 min • John Hansen W2FS: VSC-X using ZigBee. John's Virtual Serial Cable lets you program mobile rig from your shack computer without wires, using the ZigBee radio modules. 31 min • Rob Frohne KL7NA, Mark Priddy KE7UFF: Matched Filter and Maximum A Posteriori Detector for Amateur Radio Digital Modes. Barbie and I agree: math is hard. But Rob's probability equations lead to a filter that turns weak RTTY gibbrish into clear copy. And nobody can pronounce "A Posteriori." 48 min
DVD 2 Space	<ul style="list-style-type: none"> • Steve Bible N7HPR: ARISSat. Steve explains how SuitSat became ARISSat, and reviews the equipment that AMSAT will be sending to the ISS to be tossed out the door. 34 min • Bill Brown WB8ELK: GPS Enabled Multi-Mode Transmitter for Balloons. Bill designed this QRP transmitter for transatlantic balloon flights so they can call home, and experimented with a variety of digital modes to find the one that provided the most reliable weak-signal performance.
DVD 3 Digital Comm	<ul style="list-style-type: none"> • John Ronan EI7IG: Experiments with Delay and Disruption Tolerant Networking in AX.25 & DStar John's packet system keeps trying long after you've shut down and pulled out. • Paul Wiedemeier KE5LKY: Comparing 2M Packet Radio Data Unicasts and Multicasts Paul experiments with sending packet files to multiple stations at once. 43 Min • Tom Azlin N4ZPT: Digital Communications at the Marine Corps Marathon. How DC area hams employed D-STAR's Digital Data mode to go beyond Packet for this huge event. • Bob Bruninga WB4APR: Universal Ham Radio Text Messaging. You knew that hams did it first, long ago, right? Why aren't we doing it now? 59 min
DVD 4 Software Defined Radio (SDR)	<ul style="list-style-type: none"> • Scotty Cowling WA2DFI: HPSDR Update. Scotty reports on the progress and plans for TAPR/HPSDR's ever expanding lineup of equipment. 49 min • Brennan Price N4QX: SDR Agenda Items at WRC-12. We love Software Defined and Cognitive Radio, but some of the world's governments are suspicious. The ARRL/IARU prepare for this encounter at WRC 2012. 45 min • John Ackermann N8UR, Tom Holmes N8ZM, Scotty Cowling WA2DFI: Sunday Seminar - HPSDR Quickstart. This year's Sunday Seminar was split in two. In this half, John, Tom and Scotty bring the HPSDR board set to life, showing you the steps to program them and set up PowerSDR. 1 Hour
DVD 5 Digital AmateurTV (DATV)	<ul style="list-style-type: none"> • Ken Konechy W6HHC and Robbie Robinson KB6CJZ: Planning a Digital-ATV Station. Commercial broadcast Television went all-digital last year because they had to. Amateur Television can go digital, too, more easily and inexpensively than you might think. A DCC first - this seminar on DATV was presented remotely from California via NetMeeting and Skype. 38 min • Art Towslee WA8RMC: Digital ATV - The New Ham Frontier. Ohio's ATCO group has been operating a digital ATV system for a couple of years now. Art describes how they did it. 41 min
DVD 6 FPGA Design	<ul style="list-style-type: none"> • Jim Moawad from Arrow Electronics demonstrates how to program a CPU into an FPGA. This program features Altera products (like the FPGA's used in the HPSDR transmitters and receivers). This is the other half of the Sunday Seminar. 1 hour and 45 minutes