September is here, and while we wait for the final Field Day numbers for our two groups from the ARRL, we have great activities planned for the rest of the year. Our speakers this month will update us on the MESH network and the newest coverage areas. This is a new technology that creates a high-speed, self-discovering, self-configuring, fault-tolerant, wireless computer network. This network can be used for amateur radio communications, and is often used as an emergency backup in case of Internet access failure in an EOC (Emergency Operations Center).

Next month we will have the annual Club Radio Auction; so here you have an opportunity to clear your garage of “junk” (spouse’s term) or “treasures” (our definition). Or even buy some rare object for pennies on the dollar. Do not miss this event; it will make us all to have a memorable evening. Please see page 8 and 9 for the Auction Rules. Remember that the November general meeting is also our elections night, and all the Board of Directors positions are up for grabs. Our Club has a term limits policy that precludes any individual to stay more than two years in any given position in the Board, so this is your chance to help the Club by becoming a Director, or even President. If you feel that you can fill a seat on the Board, please contact the Elections Committee or any Board member to get into the candidate’s list.

Mark your calendars for our Christmas party on December 9 at 7 PM, with more details to come.

As usual, hope to see you all at the next General Meeting.

73 DE AF6CF
2016 Board of Directors:

President:
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AF6CF@w6ze.org

Vice President:
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n6qq@msn.com

Contact the Newsletter:
Feedback & Corrections:
rf_feedback@w6ze.org

Submit Articles:
editors@w6ze.org

Monthly Events:

General Meeting:
Third Friday of the month
at 7:00 PM held at:
American Red Cross
600 Parkcenter Drive
Santa Ana, CA
(Near Tustin Ave. & 4th St.)

Club Breakfast (Board Mtg.):
Normally First Saturday of month at 8am
Marie Callender’s Restaurant
1821 North Grand Ave
Santa Ana, CA
(Between 17th & Santa Clara)

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

7.086 ± MHz CW OCWN
Sun- 9:00 AM – 10 AM
Ann K6OIO, Net Control

Club Dues for 2016:
Regular/New Members* - - - - - - $30

Family renewal/Join** - - - - - - $45

New Member Join Jul-Dec*** - - - - - - $15

Replacement Badge**** - - - - - - - $3

* New members Jan-Jun, w/badge.
** Two members or more, w/badge.
*** New members Jul-Dec, w/badge.
**** There is a $1.50 charge if you’d like to have your badge mailed to you.
The OCARC Board meeting was held at the Marie Calendar’s Restaurant at 1821 N. Grand Ave in Santa Ana on September 3rd, 2016. There were a total of nine members attending. There was also a quorum with all Directors present except Don N6BXP & Tony N2VAJ.

Director Reports:
- Treasurer- Greg W6ATB will include a YTD cash flow report in the September newsletter.

OLD BIZ:
- Newsletter Editors
  - Sept - Brian KM6CXL
  - Oct - Nicholas AF6CF
  - Nov - Paul W6GMU
  - Dec - Don N6XBP
  - Jan - Greg W6ATB
  - Feb - Bob AF6C

- Program Speakers for Club Meetings
  - Sept – Update on BroadBand-Hamnet
  - Oct – club radio auction with Chip K7JA
  - Nov – Working Amateur Satellites with Your HT
  - Nov – (NOTE: club 2017 elections will also be held)

- OCARC Membership Roster (PDF)
  Don N6XBP prepared an updated 2016 club roster that was e-mailed to the membership and was uploaded to club web site.

- OCARC Membership Growth
  Tom W6ETC suggested that the club promote a VHF contest. This activity is aimed at giving ham newcomers an activity to learn new skills.

- PayPal Button
  The PayPal button to renew memberships and allow new members to pay online has been completed (Phase 1) with a lot of work by Bob AF6C and Ken W6HHC. You can find the revised club membership pages under HOW TO JOIN link. Phase 2 will simplify the info-gathering and also simplify the PayPal pull-down menu choices in order prevent confusion and prevent potential mistakes. Ken thanked Nicholas AF6CF for setting up the new PayPal account for OCARC.

- VE Team
  Tom W6ETC will send out a list of VE events that can be used by OCARC VE team to obtain some training and experience.

- Club History Material at Santa Ana Library
  The club’s new Historian, Corey KE6YHX, reported that Santa Ana library is undergoing renovation until September. Corey will will review materials when the library is open again.

- Opportunity Drawing Plans
  The Board approved a motion to again sell opportunity tickets at general meetings to win a $50 HRO gift certificate prize.

- New Ass’t WebMaster
  Tom W6ETC informed Ken W6HHC that Lito (new call KI9H) expressed interest in helping with the club web site. Ken to contact Lito.

- 2017 OCARC Election Committee
  Nicholas AF6CF reported for the election committee that nominations had been found for all but two positions. See page 06 in this newsletter for the complete nomination list.

- Report on Recent Show & Go Activity
  Tim N6TMT reported that there was a very low OCARC turn out with only W6ETC, N6GP, and N6TMT for the Show & Go Activity held in August. Instead of a T-Hunt, conducted a near-by NPOTA event at to activate the Juan Bautista de Anza Historic Trail. NPOTA # TR13

- Updated OCARC Tri-fold Brochure
  Bob AF6C explained to Doug K6PGH that the reason Doug was having difficulty printing a batch of 500 color copies of the OCARC Tri-Fold Brochure was he had to use 8.5x14 paper (ideally either off-white or light “orange-ish”).

- OCARC Pens for Advertising
  Doug K6PGH reported that he could by 500 pens with OCARC info on it for $223. Nicholas AF6CF had purchased small bags of different styles and colors. There are two pen styles: #1 White body with black lettering and a colored end-cap pocket clip and actuator (samples have purple end-caps). #2 Colored pen with white lettering and a rubber grip of the same color

NEW BIZ:
- OCARC December Christmas Party
  Tim N6TMT reported that reservations had been made for the OCARC Christmas Party on Dec 09 at Mimi’s Café on 17th Street in Tustin. Menu choices will be Strip Steak, Salmon, or French Pot Roast.

Respectfully submitted by Ken Konechy W6HHC
OCARC 2016 Field Day

The 1933 Long Beach earthquake took place on March 10 at 5:54 P.M. PST south of downtown Los Angeles. The epicenter was offshore, southeast of Long Beach, California, on the Newport-Inglewood Fault. The earthquake had a moment magnitude of 6.4 and a maximum Mercalli intensity of VIII (Severe). Damage to buildings was widespread throughout Southern California. An estimated forty million dollars' worth of property damage resulted, and between 115 and 120 people died. Many of these fatalities occurred as people ran out of buildings and were hit by falling debris.

The major damage occurred in the densely-populated city of Long Beach on the south-facing coast of Los Angeles County, and extended to the industrial area south of downtown Los Angeles. At Long Beach, buildings collapsed, water tanks fell through roofs, and houses were tossed off their foundations. School buildings were among the structures that incurred the most severe damage.

Just one month after the earthquake, the California State Legislature enacted the Field Act when it was determined that loose subsoil, shoddy workmanship, and substandard materials all contributed to the failure of the school structures. This legislation required retrofit of all schools in California to new, strict standards.

The earthquake also destroyed or decimated most of the power and communications infrastructure, requiring the armed forces to move in to support the recovery effort.

There was no telephone service, so the Amateur radio community immediately setup a 24 hour operation to relay messages in and out of the area by HF communications.

Simultaneously a group of Orange County Amateur Radio Operators responded to the need by creating a new organization. That organization became known as OCARC, the Orange County Amateur Radio Club over 83 years ago and is still going strong today.

The Amateur radio operators efforts were so successful that the ARRL decided to create what is known as Field Day, a yearly 24 hour disaster training activity.

The ARRL realized early on that if the Field Day activity was to be successful, the operators had to be somehow motivated or induced to participate.

So they devised a structure for Field Day that included a set of rules and point incentives to lure a majority of people to participate. This structure would have an end result of certain “points” with stations participating in different categories as per number of transmitters, type of power used, etc.

The response from the Amateur Radio community was great, with the ARRL fine tuning every year the rules of engagement recognizing and awarding points for safety, the ability to operate without the power grid, and for visits by VIP’s, elected officials, etc.

Let’s fast forward to the 21st century now.

A few years ago, the OCARC President felt that the Field Day activity was being “hijacked” by the East Coast operators, with one station consistently winning the first place and most of the ten top scores being from the “East Coast”.
So it was proposed at a Club meeting to launch a decisive effort to regain a position in the first 10 scores, coinciding with the Club’s 80th anniversary.

This resulted as one of the best scores ever held by the OCARC, being second in the nation. The higher ham radio operator density of the east coast, combined with the propagation conditions allowed the traditional winner to score again in first place.

This started a debate among the OCARC members, with some calling the ARRL Field Day a “Contest” and some calling it a “Fun” activity.

Eventually, the “Contesters” decided to form their own Field Day group separate from the OCARC mainstream, calling it the ABCD group, after the initials of their founders.

There were no negotiations, special meetings or conversations, this just happened naturally, and those with a contesting inclination would join the ABCD group and everybody else would participate in the official OCARC activity.

The 2016 Field Day was a big success for both groups with safe operation and good scores.

So now I personally feel that having two Field Day groups, the OCARC has the best of both worlds and I thank and salute both the OCARC and the ABCD group for a job WELL DONE.

73 DE AF6CF

An ARRL Special Service Club

OCARC 2016 Club & Special Event Calendar

Sept. 03, 2016 OCARC Board of Directors Meeting http://www.w6ze.org/MeetingInfo.html
Sept. 16, 2016 OCARC General Meeting @ the Red Cross http://www.w6ze.org/MeetingInfo.html
Sept. 20, 2016 SHOW-and-GO OCARC Activity
Sept. 24-25, 2016 CQWWDX-RTTY CQ WW RTTY DX Contest http://www.cqwwrtty.com/

Oct. 01, 2016 OCARC Board of Directors Meeting http://www.w6ze.org/MeetingInfo.html
Oct. 21, 2016 OCARC Auction (Link Pending)

Nov. 05, 2016 OCARC Board of Directors Meeting http://www.w6ze.org/MeetingInfo.html
Nov. 05-07, 2016 ARRL CW November Sweepstakes http://www.arrl.org/sweepstakes
Nov. 19-21, 2016 ARRL November Sweepstakes Contest, SSB http://www.arrl.org/sweepstakes
Nov. 20, 2016 OCARC General Meeting @ the ARC Santa Ana http://www.w6ze.org/MeetingInfo.html

Dec. 10-11, 2016 ARRL 10-Meter Contest http://www.arrl.org/10-meter
Dec. 09, 2016 OCARC Holiday Party - ( Mimi’s Café on 17th Street in Tustin)
LIST OF THOSE RUNNING FOR THE 2017 OCARC BOARD OF DIRECTORS

Others can be nominated to the list at the November meeting.

More than one person can run for any position on the board.

PRESIDENT – Nicholas AF6CF
VICE PRESIDENT— (open)
SECRETARY — Ron W6FPS
TREASURER — Ken W6HHC
ACTIVITIES — Tim N6TMT
MEMBERSHIP — Bob AF6C
PUBLICITY — (open)

TECHNICAL— Clem W0MEC

DIRECTOR AT LARGE — Greg W6ATB & Paul W6GMU

This list of suggested names is not final or “all inclusive” and it is subject to change at or before the November 20th Elections.

If you want to run for a position on the OCARC Board of Directors, please contact the Elections Committee Chairman.
This is a list of suggested Show and Tell activities for the 2016 calendar year. Bring your item to show and tell! *

September: Digital Modes  
October: Auction – no “S-n-T”  
November: Linear Amplifiers  
December: X-MAS Party - no “S-n-T”

*If you wish to participate in the “Show & Tell”, please contact the Activities Chairman Tim, N6TMT N6TMT@w6ze.org or just bring your “treasured stuff” to OCARC meetings to share with the other members.

Note: Topics are subject to change without notice.

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<th>Quick-View OCARC 2016 Calendar and Topic Schedule</th>
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*Indicates Change to normal schedule. OCARC Board of Directors schedules breakfast meetings on the 1st Saturday of each month. B indicates Breakfast available at extra cost, meeting held offsite at a location; Marie Calanders.  
**OCARC membership meetings are typically held the 3rd Friday each Month.

**COAR RACES**  
Helping Orange PD at International Street Fair

The Orange PD obtained extra eyes and ears to help patrol the City of Orange International Street Fair from COAR RACES (City of Orange Amateur Radio). By walking the crowds, COAR RACES members could assist identifying any problems or questions to the OPD via COAR Net Control located in the Orange Police Building. Four members of OCARC were involved in helping COAR during the September fair.

Four of the COAR RACES members helping Orange PD are (L-R): Quent W6RI, Sam W6RDS, Jeff KK6YUP (OCARC), Lt Monjaraz, Ken W6HHC (OCARC), and Sgt Thorsen
September 16th 2016
OCARC Membership Meeting

Presented by
Don Hill, KE6BXT
Joe Ayers, AE6XE

OCARC 2016 ANNUAL AUCTION

Friday, October 21st 7:00 PM

Mark Your Calendar

Held at...
American Red Cross
600 Parkcenter Drive, Santa Ana, CA
Second Floor Rm #208
Auction Rules

The OCARC Annual Auction will take place on Friday evening, October 21st, 2016, at 7:00 PM at the American Red Cross facility located at 600 N. Parkcenter Drive, Santa Ana. The room will open at 6:00 PM to allow registration, set-up and viewing. All buyers and sellers are welcome. The following rules for the auction will be in effect:

1. Only ham radio or electronic equipment / items will be auctioned (i.e.: no fishing equipment, etc)
2. Buyers and Sellers must register at the door with the OCARC Treasurer. There is NO registration fee.
3. Sellers should number each item in their lot. A tag should indicate the minimum bid they expect.
4. Only 3 items from a Sellers lot will be auctioned during each turn. After auction 3 items, the auctioneer will move on to the next lot. After the first 3 items from every lot have been offered for bidding, the auctioneer will start the second round of auctioning with the next 3 items in Lot #1.
5. Auction bidding will take place as follows:
   (a) $0.00-to-$5.00 bidding will take place in $0.50 increments.
   (b) Over-$5.00-to-$50.00 bidding will take place in $1.00 increments.
   (c) Over-$50.00-to-$100.00 bidding will take place in $5.00 increments.
   (d) Over-$100.00 bidding will be in $10.00 increments.
6. Rules 4 and 5 may be changed at the auctioneer’s discretion to expedite the auction.
7. Payments for purchased items are due at the end of the auction and shall be by cash or check with the appropriate ID. No two-party checks or credit cards are allowed. Disbursements to the Sellers will be by OCARC check, only. Sellers will be charged 10% of the selling price for items sold by OCARC.
A special table will be set up for donated items. The proceeds of donated items will go to the OCARC.

The American Red Cross
George M. Chitty Building
600 Parkcenter Drive
Santa Ana, CA.

Second Floor, Room 208*
(Enter from the West Side.)
Note: The door locks after 7 PM. If no one is there to let you in call W6ZE on the TALK-IN freq.
146.55 MHz Simplex
* Room # is subject to change.
Kickstart Your Group with Club Contesting

Club contesting brings a team together for more QSOs, more time on the air, and more fun.

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G. Scott Davis, N3FJP

When we first introduced the idea of team radio sport to our local club, the Northeast Maryland Amateur Radio Contest Society, some were skeptical, some enthused, and others confused—but teaming up has thoroughly reinvigorated our group. Together we’re having tons of fun and building a sense of camaraderie. Best of all, we’re sharing the excitement of working toward a common goal. It’s done wonders for our club. Here’s how you can do the same for your group.

Club Contesting: The Basics

Whether you just want to make a few contacts or you have serious competition in mind, there’s nothing like a contest to get you on the air. Radio sport offers a great opportunity to quickly connect with lots of fellow hams, enhance your operating skills, learn about propagation, demonstrate the abilities of Amateur Radio, accumulate DX points, states, or sections in a hurry, and discover the strengths and weaknesses of your station.

That’s more than enough incentive to enjoy the many fun radio sport events we can look forward to annually, but club contesting adds another great element — the team! When you contest with your club from your home station, every point that your station earns is added to the club’s cumulative score, so everyone is pulling together to reach a common goal. The total score comprises points from all the individual home stations (and maybe a club station too, if you have one) in your club.

Because the club score is a total, not an average, there’s no worry that anyone might somehow hold the club back by joining in. Everyone is helping and encouraging each other to achieve their individual goals, and the result is the club’s total score.

Reinvigorating Our Group

If your group is like ours, when you first start club contesting, you’ll likely have a few people who already enjoy radio sport, a few who are willing to give it a try, and some who are intimidated by it. Some people worry about how the comparatively few QSOs they think they’ll make will be received, compared to others who make 1000 contacts per contest.

The key to our success has been creating a no-pressure environment where every QSO is valued. The ham who’s never contested before and makes a handful of contacts is appreciated every bit as much as the regular contest who makes more than 1000.

That fun and thrill is infectious for all of us. Our club e-mail group, post-contest recounts of our efforts, which in turn gives others the incentive to give contesting a try. With each successive contest, operators who started by tentatively putting a toe in the water are diving in, and new operators are often joining in for the first time.

Our cumulative scores are progressively improving, too. Because operators are having fun, they are spending more time on the air, making more contacts. Their skills are improving, and their higher QSO rates always add to the total as well.
Sharing the Contest in Real Time
Sharing our contest adventures after the event is great fun, but teaming up in real time as the contest unfolds has taken the excitement to a whole new level. We accomplish this in two ways. First, we set up the automatic status upload feature available in all my N3JIP software contest programs (from the program’s menu options, click SETTINGS > WEB UPLOAD). With the upload feature enabled (see Figure 1), we can see everyone’s current score and QSO count, which updates automatically every 3 minutes.

To make it even easier to monitor how our team is doing, I created a little club score processor program that summarizes our current club totals from our individual uploads and updates them on the web every 60 seconds (see Figure 2). That way, we can see minute-by-minute how everyone is doing, all on one page. By the time this article goes to press, you should be able to download the club score processor program free from my website at www.n3jip.com.

Secondly, we’ve found using an online text chat room to be of tremendous value. Folks share how they are doing, ask questions, cheer each other on, and provide any needed help. It’s great for new operators who might need a bit of nurturing or encouragement, and it’s fun for all of us.

The chat room works particularly well because instead of stopping your run rate to answer a question on 2 meters, you can just bring up the chat window in your Internet browser when it’s convenient for you, and contribute between contacts. Even club members who may not be operating a particular contest themselves will still sign in to help look for needed multipliers.

Recently we have set up a permanent virtual clubhouse on Discord (https://discordapp.com/). This is pretty easy to do, will let you stay logged in indefinitely, and will accommodate any number of members.

Of course, like DX spotting, folks will post exciting stations or multipliers that others in our group may be looking for in the chat room, so if your group uses the chat room, make sure everyone enters in the “Assisted” category when applicable.

Finding Contests for Your Club
There are many annual club contest eligible events, sponsored by a variety of organizations. As a starter, here are the major ARRL and CQ contests that are eligible for club competition, but be sure to check out other information sources like the National Contest Journal for even more events.

January — ARRL January VHF Contest, ARRL RTTY Roundup, CQ World Wide 160 Meter Contest CW
February — ARRL International DX Contest CW, CQ World Wide WPX RTTY Contest, CQ World Wide 160 Meter Contest SSB
March — ARRL International DX Contest SSB, CQ World Wide WPX Contest SSB
May — CQ World Wide WPX Contest CW
June — ARRL June VHF Contest
July — CQ World Wide VHF Contest
September — ARRL September VHF Contest, CQ World Wide DX RTTY Contest
October — CQ World Wide DX Contest SSB
November — ARRL November Sweepstakes CW, ARRL November Sweepstakes SSB, CQ World Wide DX Contest CW
December — ARRL 160 Meter Contest, ARRL 10 Meter Contest

Keep in mind that many of the contests that have both SSB and CW events, such as ARRL International DX, ARRL November Sweepstakes, CQ World Wide DX, etc., combine your club contest scores for both contests into one grand total in the club results listing. In addition, your log count is also added together, so if N3JIP operates both Sweepstakes SSB and Sweepstakes CW, for example, that counts as two logs submitted. The total number of logs submitted affects your club classification for ARRL contests.

Setting Up Your Club and Submitting Your Club Score
For contests sponsored by CQ, submitting as a club couldn’t be easier. Each member should simply submit their contest results as usual, but also include the club name that you decide on in the Cabrillo file (most contest logging programs provide a “Club Name” field on the Cabrillo creation form).

As long as your club submits at least four Cabrillo logs with the same contest name specified in the Cabrillo log file, your club results will be totaled and listed. There isn’t any prior registration requirement or any-
For ARRL contests, you’ll need to affiliate your club with ARRL if you haven’t already. In addition to making your group ARRL club contest eligible, becoming an ARRL Affiliated Club has lots of other great benefits detailed here: [www.arrl.org/affiliated-club-benefits](http://www.arrl.org/affiliated-club-benefits). You can apply for affiliation at [www.arrl.org/application-for-affiliation](http://www.arrl.org/application-for-affiliation).

Once you are affiliated with ARRL, simply add your club name to your Cabrillo submission file. Because ARRL also requires members to be in good standing, when you enter as a club for ARRL contests, your group’s contest coordinator must submit a roster of participants, within 30 days after the contest, to contests@arrl.org.

### Club Categories

**ARRL**

ARRL organizes contest club categories by size, so you can more easily see your results compared to similarly sized clubs (see sidebar, “The Club Gavel Competition”). ARRL club categories include:

- **Unlimited** — 51 or more entries, all within a 175-mile radius or one ARRL section.
- **Medium** — 50 entries or fewer, all within a 175-mile radius or one ARRL section, and not qualifying as a local club.
- **Local** — 10 or fewer entries all within a 35-mile radius.


**CQ**

For CQ contests, the club categories are:

A. **US Clubs:** Participation is limited to club members residing and operating within a 250-mile radius circle from the center of the club area (except for expeditions organized specifically for the contest conducted by members who reside within the club circle).

B. **DX Clubs:** Participation is limited to club members residing and operating within either the DXCC country where the club is located, or within a 400 km radius circle from the center of the club area (except for expeditions organized specifically for the contest conducted by members who reside within the club area).

More information is available at [www.cqww.com/rules.htm](http://www.cqww.com/rules.htm).

### Conclusion

Want to breathe some new life into your local group, build a team, enhance camaraderie, and have a lot of fun? Setting your local group up for club contesting could be the answer. It certainly was for our Northeast Maryland Amateur Radio Contest Society!
The Show N Go event on August 20th became more “Go” than anticipated. The original concept was to meet at Vista Park in Fullerton and do some HF operating followed by a cooperative t-hunt, however, the event worked out much differently.

Three members arrived to participate (Tim N6GP, Tom W6ETC and myself N6TMT). Determining that no one else was making their way there and one member needed to leave before the T-hunt was likely to start the decision was made to convert the event into a NPOTA (National Parks on The Air) event.

One of the closer locations for activating NPOTA is about 20 minutes north in the San Gabriel Valley where two historic trail systems once passed through. The Juan Bautista de Anza Historic Trail and the Old Spanish Trail.

History
The Juan Bautista de Anza trail was the pathway followed by settlers from New Spain whom made their way during 1775-76 from Central Mexico to near the San Francisco area. This is designated TR13 for purposes of the ARRL NPOTA event. The second trail, known as the Old Spanish Trail was established in 1829 and remained in use until 1848. It started in Colorado and made its way to Southern California. Mexican trader Antonio Armijo established it and lead a party of traders from both the US and Mexico on the route. Designated TR19 for the ARRL NPOTA event. The nearby Mission San Gabriel was a stop for travelers on both trails.

Operating
We found a good field for operating at the Civic Center Park in San Dimas, however another park close by in La Verne was the backup plan. After tossing a line over a branch 40 or 50 feet up a Eucalyptus tree we were able to setup a wire for 20 meter operation. 1st up was to operate SBB over a short 45 minute window before the North American SBB QSO Party begin at 11am local time. Before the band got filed with CQ Contest I was able to make 32 QSO’s.
After the SBB contest was rolling it was onto CW operation. N6GP went to work and made 20 plus contacts for the NPOTA.

Conclusions
Despite the day not proceeding as originally planned it worked out well. All it took was 50 watts, a wire and a well-placed tree in San Dimas.

73 N6TMT
CARA EmComm at Disney’s Half Marathon

As a member of both OCARC (Orange County Amateur Radio Club) and CARA (Catalina Amateur Repeater Association) they recently provided an opportunity to be volunteer as an Emergency communications operator for the September 4th running of a Disneyland Half Marathon.

For this particular event 14+ CARA Amateur Radio Op’s (operators) members signed up to participate. Each volunteer is assigned a particular station inside or in some cases outside the Park. Volunteers could be stationed at one of the medical tents; other’s reported to water stations, or assigned to participant safety-security locations as well as other locations. Dan AD6HK and I were assigned as Net Control operators stationed at Disneyland’s EOC (Emergency Operations Center).

There’s a benefit offered both to Disneyland and to the CARA volunteers. Disneyland EOC receives qualified, experienced radio operators who arrive fully equipped, self-sufficient and organized for free. They are managed by CARA’s onsite Net Control operators utilizing an informal but structured Net operational methodology. Here it is the Radio Operators primary responsibility to be available for Emergency traffic in case conventional methods of communications become compromised in any way. And at times depending on the (radio) traffic Radio Op’s can augment EOC communication needs. They can be activated by Disneyland’s EOC basically at a moment’s notice. In this case the CARA Radio Op’s are in consistent communication with Net Control and are standing by at all times for any instructions during the event.

The Radio Op’s can report to Net control event updates. These include reports of runners who have fallen, possibly injured. At times volunteers running a station may request information or support through the Op’s when they are unable to connect to Disneyland’s operations.

For the CARA volunteer team the day begins early (3AM) for most. Teams will rendezvous at a predetermined points and times near Disneyland. Once our particular group of volunteer Amateur Radio Op’s arrived we began reviewing assignments, updated instructions, pass out parking passes, then we all caravan together to specific parking/check-in locations.

I had the honor of observing Disneyland EOC operations in action. Their lay-out seems similar to that of a conventional ICS (Incident Command System) operation. Based on my opinion and observations they seem to be highly organized, well-practiced and very professional.
Each member of this team knows their specific assigned tasks and areas of responsibility. They do their job and they do it well.

And speaking of doing the job well this holds true for the whole group of CARA Amateur Radio Emergency communication Op’s. From beginning to end for an event such as this it’s imperative that there is good communication between volunteer Radio’s Op’s and Net Control. Net Control must be well organized, anticipate needs if all possible, respond to questions and act quickly when tasked to do so. Overall the radio communication efforts all seemed to work. The CARA repeater worked well, assigned Simplex channels worked and I walked away with marveling that everything ran fairly smooth. It was a privilege and pleasure to be part of this CARA team.

This experience has given me better insight and a broader appreciation of some of the challenges and obstacles that face Emergency Management personnel. I’d like to encourage you to consider joining a local Amateur Radio Emergency communication group. Most importantly take the time to Learn, Listen, and Practice. Practice builds experience. And experience build expertise if you know my meaning.

Here’s a list of links that in my opinion offer outstanding Amateur Radio Emergency communication volunteer opportunities or training or both. Links are clickable. They include:

- **CARA** (Catalina Amateur Repeater Associations)
- County of Orange (California) **RACES**
- **ARRL ARES**
- I highly recommend the (EmComm) **EC-001** class of Amateur Radio Emergency Communications that **ARRL Orange Section** Manager Mr. Carl Gardenias **WU6D** offers on occasion.
- **ICS** (Incident Command Systems) and **NIMS** (Natl. Incidents Mgt. Systems).
- Hospital Disaster Support Communications System click here **HDSCS**.
- Orange County and City **RACES / ACS and Affiliated Units**.
- **Search CERT** by zip code (Community Emergency Response Teams)
- Click the following link for **SATERN** (Salvation Army Team Emergency Radio Network).

The [OCARC website](http://www.W6ZE.org) also offers a lot of information in regards to Amateur Radio Emergency Communications. For more information click the logo link at the left.

Learn by listening. Learn by doing.
You learn more if you **just do it!** 73

by Tom W6ETC
You Can now Renew your OCARC Dues Online Using PayPal

The interactive-membership form on the www.W6ZE.org web site has been upgraded to allow paying online for new members or renewals. Prospective club members and existing members now have three choices in order to pay:

1. Use the new online PayPal button
2. Send check to the club PO Box
3. Bring cash or check to an OCARC meeting.

You can reach the membership form by clicking on the HOW TO JOIN link down the left-hand-side of the OCARC front web page.

Thank you!
Your information is being forwarded to the OCARC for processing.

Paying at Meeting:
If you are paying at the next club meeting, please bring cash or a check. Our next meeting date and location can be found under "Meetings" in the left-hand menu on our home page.

Paying by Mail:
Send a check or money order to: OCARC, PO Box 3454, Tustin, CA 92781-5434 (no cash please.)

Paying by PayPal:
Please use the convenient PayPal Button below. First select the proper choice from the pull-down menu, then click on the button to be taken to PayPal to finish your payment. Note that some menu items have a small PayPal fee added to the amount.

Select Membership Service by pull-down menu
Membership Renewal $30.00 USD

[PayPal button]

CLOSE

Revised 2016-08-26
Mission Statement
The mission of Community Action Partnership is to enhance the quality of life in Orange County by eliminating and preventing the causes and effects of poverty by mobilizing and directing resources to programs that assist, educate and promote self-sufficiency.

Food Services
Commodity Supplemental Food Program
CSFP provides nutrient-rich foods contained in a monthly food package to the low-income elderly (60+). CAPOC personnel distribute over 23,000 food boxes each month at 55 distribution sites in Orange, Los Angeles and Riverside Counties. Household income is set by the Federal Poverty Guidelines which is at or below 130% for seniors.
Check out our Income Guidelines, Distribution Sites, Current Distribution Calendars and flyers at:
http://www.ocfoodbank.org/csfp
For more information contact:
Trudy Wilson
(714) 897-6670 ext. 3610
twilson@capoc.org

Orange County Food Bank
The Orange County Food Bank works with over 336 charities, food banks, and community organizations to end hunger and malnutrition. The Food Bank provides USDA commodities, federal-fund purchased food, and donated food to different non-profit agencies in Orange County that serve low-income families and individuals. In order to be eligible, recipients must self certify that household income is at or below 150% of federal poverty level.
For more information contact:
Mark Lowry
(714) 897-6670 ext. 3601
mlowry@capoc.org
www.ocfoodbank.org

Food Stamp Outreach
The Food Stamp Outreach program is a federal program designed to help people on limited budgets buy nutritious food. Community Action Partnership assists individuals in applying for food stamps. The Partnership is the lead agency for a county-wide collaborative to increase enrollment
into the Food Stamp Program to alleviate hunger for the over 400,000 individuals in the county who are at-risk of hunger.

For more information contact:
Alfonso Chavez
(714) 897-6670 ext. 3606
achavez@capoc.org

OC National School Lunch Program
Schools offer free or reduced-price lunches that meet federal nutrition guidelines to children in low-income families. Children from families with income below 130% of federal poverty line receive free meals, while those with family income between 130-185% of FPL receive reduced price meals.

For more information contact:
Dolores Barrett
Director of Community Partnerships and Services
(714) 899-3684 ext. 5301
dbarrett@capoc.org

Energy Conservation, Weatherization and Utility Assistance Programs
Utility assistance programs helps low-income clients who need assistance paying their utilities, receive discounts, receive assistance during crisis and learn through consumer education how to conserve energy and reduce their energy burdens that results in savings.

These programs include:

- **Energy Application Forms**
- **Home Energy Assistance Program**
- **Energy Crisis Intervention Program or Fast Track**
- **Disaster Response Volunteer Program**
- **California Alternative Rates for Energy**
- **Weatherization**
- **Refrigerator Replacement**
- **Information and Referrals**
- **Disaster Response Volunteers**

Disaster Response Volunteers (DRV’s) are volunteers who will report to Community Action Partnership of Orange County (CAPOC) in times of disasters. There are many disasters that occur in Orange County so it is important to be prepared. Some of the functions of a DRV are:

1. To assist the Garden Grove main location of CAPOC with packaging any food or supplies that the community needs.
2. Go to one of the Family Resource Centers either in Anaheim or in Orange to assist the staff there with any relief effort that they need.
3. Help the AmeriCorp’s DRVP Program Coordinator on educating the public about disasters that effect Orange County.

For more information contact:

Brian Ahn
AmeriCorp’s DRVP Program Coordinator at CAPOC
(714) 899-3684 ext. 5340
drvp@capoc.org
Coming soon!

Disaster Readiness Presentation
Learn How to Keep Your Family Safe during a Disaster

September 14th at 7 pm-8 pm

For more information contact Maribel Reyes, Center manager at mreyes@capoc.org

WHERE:
El Modena Family Resource
18672 E. Center Ave, Orange, CA 928
7:00pm-8:00pm
PACIFICON 2016
ARRL Pacific Division Ham Radio Convention

The ARRL Pacific Division and the Mt. Diablo Amateur Radio Club Present:

PACIFICON 2016 - October 14, 15 and 16, 2016
• The ARRL Pacific Division Convention!
• One of the Largest West Coast Vendor Shows of Amateur Radio Gear!
• Outstanding Technical Forums!
• Sunday Swap Meet!
  And...Much, Much More!

Takes Place in San Ramon, California
San Ramon Marriott Hotel
2600 Bishop Drive
San Ramon, California, 94583

For Events, Schedules, Latest Updates, and Registration and Ticket Reservations go to
www.PACIFICON.org
Youth 17 & under free • College students $5 • Advance registration closes October 3, 2016.

If Hotel lodging is needed:
To make Hotel reservations on-line and get the special Pacificon rate, CLICK HERE.
Or, call the Marriott Hotel Reservations Desk at 1-800-228-9290, and ask for the Pacificon rate. The special rate will be available until the Pacificon block is sold out.

Unique Forums Programs:
Pacificon 2016 features a long list of great Forums, including presentations from some of the most well-known and respected names in Amateur Radio.

PACIFICON 2016 Events, Forum Topics, and Exhibits Include:
All-Day Antenna Seminar on Friday • Saturday Morning Breakfast with Gordon West
• Outstanding Technical Forums • Large Vendor Show of Amateur Radio Gear - All 3 Days • Get-on-the-Air W1AW/6 Special Event Station • Special Public MDARC Meeting on Friday Evening

Saturday Evening Banquet with Guest Speaker, new ARRL CEO Tom Gallagher, NY2RF • Excellent QRP Program • Ham License Testing • One-Day Technician License Class Followed by License Testing • Gordon West Ham Instructor Academy • Kit Assembly/Soldering for Youth and Adults • Daily Radio Prize Drawings • Parachute Mobile Radio Transmissions • Wouff Hong Ceremony

Great Sunday Swap Meet • Sunday Ham Radio 101/201 Seminar - What Every New Ham Needs to Know • Sunday Disaster Communications Workshop • Sunday Annual ARRL Pacific Division Forum • Sunday Emergency Communication Exam (EC-001)

Come and Experience the Many Facets of Ham Radio!

See Pacificon 2016 Introductory Video
Courtesy of Randy Hall, K7AGE
Pacificon Committee general inquiries- info@pacificon.org
www.pacificon.org - (925) 945-8007
 OCARC General Meeting Minutes
August 19, 2016

Meeting started at 7:00 PM

Tim N6GP and Nicholas AF6CF began meeting by reading a prepared story about Field Day. A copy of the FD story is available on Page 4 and 5 of this newsletter.

Tom W6ETC introduced the program for the evening - the DX Panel of Experts:

Arnie Schatz N6HC
Bob Harrington AA6PW
Chip Margelli K7JA
Dan Violette KI6X
Doug Wood K6PGH

Each preceded to give describe how they got interested in Ham radio and DX. Chip gave a brief presentation about DX. A question and answer session then began. There was also a prepared list of questions which were also addressed.

A break was taken from 8:30 PM until 8:45 PM

Upon reconvening it was suggested we do a brief business meeting, no roll call was taken. Tim M. made an announcement about a Show & Go event which was a Fox Hunt.

The following Directors were present.
Nicholas Haban AF6CF
Tom Cowart W6ETC
Don Mech N6XBP
Doug Wood K6PGH
Tim Millard N6TMT
Clem Brzoznowski WØMEC
Tony Scalpi N2VAJ
Bob Eckweiler AF6C

- Tim N6TMT, announced that the Christmas Party would be held at Mi-mi’s Cafe (on 17th Street) on December 9th.
- Chip announced that Tim N6GP got married!
- Tom W6ETC announced that the club is looking for help for the Wednesday night net. We need volunteers and someone with experience with Echo-Link would be nice.

Tim N6TMT & Dan KI6X did a brief Show-and-Tell on morse code keys.

At 8:54 PM the business part of the meeting ended and questions to the panel resumed. The meeting ended at 9:15 PM

Prepared by Don Mech N6XBP
Acting Secretary

The DX Panel consisted of (L-R): Doug Wood K6PGH, Dan Violette KI6X, Arnie Schatz N6HC, Bob Harrington AA6PW, and Chip Margelli K7JA
## OCARC Cash Flow - Year To Date

1/1/2016 through 9/8/2016

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<th>1/1/2016-9/8/2016</th>
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<td><strong>OVERALL TOTAL</strong></td>
<td><strong>457.99</strong></td>
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Digital Amateur TeleVision Exciter/Transmitter

Now available from

DATV-Express

- A more affordable DATV exciter can now be ordered
- Fully assembled and tested PCBA
- DVB-S protocol for DATV (using QPSK modulation)
- Can operate all ham bands from 70 MHz-to-2450 MHz
- RF output level up to 10 dBm (min) all bands (DVB-S)
- Software Defined Radio (SDR) architecture allows many variations of IQ modulations
- “Software-Defined” allows new features to be added over the next few years, without changing the hardware board
- Symbol Rates from 100K to 8000K Symb/sec allows RB-DATV
- Requires PC running Windows or Ubuntu Linux (see User Guide)
- Price is US$300 + shipping – order using PayPal

For more details and ordering
www.DATV-Express.com

Register on the web site to be able to see the PURCHASE page