



RF



NEWSLETTER

Orange County Amateur Radio Club, Inc.

VOL. LVII NO. 06

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

June 2016

The Prez Sez.....

By Nicholas AF6CF



Hello!

QST QST QST! June is now here, and you know what this means... Field Day, Field Day and more Field Day. We are getting as ready as we can. Again this year the meeting date is exactly a week before Field Day, so this month we will have a special general meeting just before the actual weekend event and will talk about the final preparations, details and schedule. Chip K7JA is going to give the final advice to the membership so we should all be ready for a successful event. This year we will use the Club's own Generator so now is the food donations turn. The Boys Scouts are going to provide all the meals for the

event, so be sure to support them. We will have some signs up again so people will not get lost looking for our location. If you are a visitor and have a FCC license, this is the time to operate and have fun. On the other hand, if you have no license, this is your opportunity to operate the GOTA (Get On The Air) to "test the waters", no license required! There are a few operator positions open to help in different areas, so hurry up to volunteer. As usual, the final result of this effort will depend on the degree of everybody's participation, so let's make an effort to have as much FUN as possible in the process. After the event, we will evaluate our experiences and see how we did and see if can improve next time. As usual, I look forward to an eyeball contact with you all at the next General Meeting.

73 DE AF6CF

Visit our Webpage:
Scan this QR code with
your smartphone or tablet.



<http://www.w6ze.org>

The speaker at next General meeting will be Marvelous "Chip Margelli" K7JA delivering a Field Day pep talk spectacular. Don't miss it!

The next General Meeting will be on:

Friday, June 17, 2016
@ 7:00 PM

ENTER from the WEST SIDE entrance of the
Red Cross Building, Room 208
Take elevator to the 2nd Floor. *See you there!*



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2016 Club Appointments:**W6ZE Club License Trustee:**

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Contact the Newsletter:

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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.):

First Saturday of the month at 8:00am
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:**

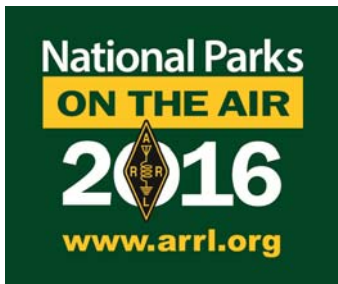
Regular/New Members* - - - - - \$30
Family renewal/Join** - - - - - \$45
New Member Join Jul-Dec*** - - - \$15
Replacement Badge**** - - - - - \$3

* 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.

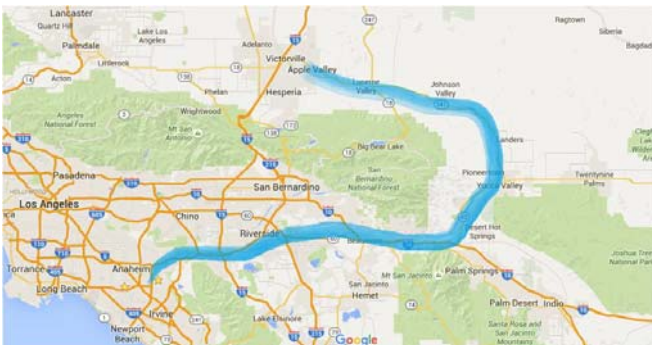


Activating Joshua Tree National

Park (NP32) for ARRL NPOTA

By Tim Goeppinger, N6GP

February 23 was an absolutely beautiful day in Southern California. My fiancée's son was visiting Apple Valley from Sonora, Mexico, and her family planned a BBQ for the occasion. I asked if we could go to Joshua Tree National Park "on the way" to Apple Valley. I told her it would be a little longer. She and her sister agreed, since they had never been there before.



Route to Apple Valley via Joshua Tree NP

We drove a long way out the I-10, then up Hwy 62 to Yucca Valley. I really had no plan for where I was going to operate inside the park, so I stopped at one of those California Welcome Centers.



I caught them just before they were shutting down in midafternoon. The two lady volunteers were extremely helpful. I told them I wanted a high point with a good view to the east to operate a radio from. They talked amongst themselves and said a great place would be the Black Rock Campground just a couple of miles from there. They said to find a picnic table. A bonus was that I did not have to pay the \$20 park entry fee for such a short stay. These ladies were great!

Turns out that Black Rock was where Dino KX6D did his Joshua Tree activation with his tower trailer in early January. It's a great spot because it is elevated a bit, and it is on the north side of a hill, with a great view to the east. An additional bonus was that there is cell coverage there for "self-spotting".



I found the picnic area, parked and set up a 10 meter dipole between 2 masts. I set up my rig on the table, and was ready to go. I heard about 3 beacons on 10 meters, so I knew it was open. I self-spotted, and called CQ for a while.

People on Facebook from the Midwest were not hearing me. Suddenly W1YRC – Bob from Rhode Island was booming in on SSB. (I later met Bob at the Visalia DX Convention this April). I had a false hope that 10 meters was indeed a usable band for NPOTA!

I CQed for another 10 minutes on 10 meters. A disappointing 1 QSO for 15 minutes of operating. So I doubled the space between my umbrella stand masts and put up the 20 meter dipole.

Very quickly I found that 20 meter phone was the place to be. Even though Joshua Tree was one of the most activated parks at that

point, the pileup was fairly lively. I realized that I had forgotten my CW paddles, so I was stuck on SSB. I worked 99 stations across North America. I was particularly pleased to work KG7MYC at Grand Tetons Natl Park (NP23) for a new one. A park to park QSO!



My lessons learned were: 1) There is a reason why the NPOTA activity has been concentrated on 20 and 40 meters – the other bands don't work as well. 2) Even if a park has been activated a lot, there is still plenty of demand for QSO's. 3) Remember those CW paddles!

I packed up and drove another hour and 15 minutes to Apple Valley where we enjoyed a scrumptious carne asada BBQ.

I don't think I would recommend going out to Joshua Tree this time of year, but it is a beautiful place in the Fall and Winter months. For info: <https://www.nps.gov/jotr> Next Month: Team expedition in Santa Monica Mts Rec. Area

OCARC NPOTA CHASER LEADERBOARD as of June 4		
Name	Callsign	Parks Worked
Ron	W6YQ/7	262
Arnie	N6HC	209
Tim	N6GP	71
Dan	KI6X	52
Doug	K6PGH	36
Dick	W6WVW	12
Dan	N6PEQ	4
Jim	AF6N	4

Coming in August Show and Go

What is Show and Go: A remote activation followed by a fox hunt.

Members will arrive at the appointed time and place where the Board members will be waiting. We will assist you to activate on HF with just your normal "go kit" gear. No generators, towers or fancy gear needed; just the basics. Then all participants will have the opportunity to further hone their skills by joining a "fox hunt". So watch for dates, times and location.

Dayton Hamvention

Hamvention was held on 20-22 May 2016 at the Hara Arena Complex in Dayton, Ohio. Since 1952 Hamvention® has been sponsored by Dayton Amateur Radio Association (DARA). For many years it has been the world's largest amateur radio gathering, attracting hams from throughout the globe. Over 20,000 Hams made the trip to Dayton this year; you are not a real Ham unless you have made the pilgrimage to the Dayton. New products such as the Kenwood THF6A HT with D-STAR and APRS were on display with many radio and accessory vendors inside and a huge flea market outside. I met two Hams from Australia whose total transit time were 27 hours



One of many Dayton indoor vendor exhibit halls

2016 OCARC SHOW & TELL SCHEDULE

This is a list of suggested Show and Tell activities for the 2016 calendar year. Bring your item to show and tell! *

June: HF Radios
 July: Station accessories
 August: Morse Code
 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.

Quick-View OCARC 2016 Calendar and Topic Schedule

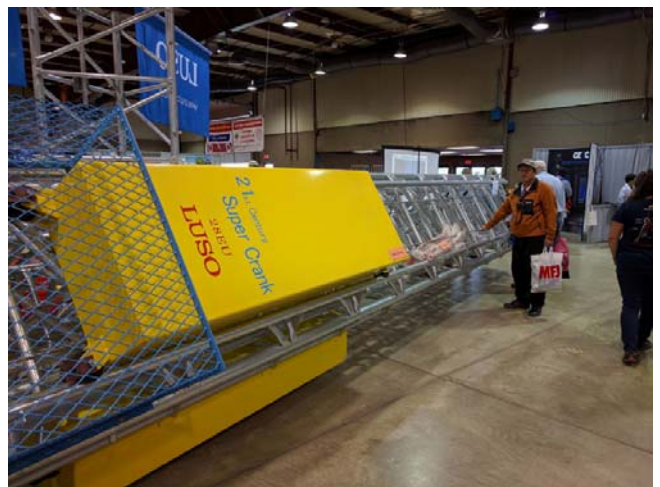
	OCARC Member-ship**	Board of Directors Meeting B
6	6/17	6/04
7	7/15	7/09*
8	8/19	8/06
9	9/16	9/03
10	10/21	10/01
11	11/20	11/05
12	Christmas Party 12/09	

*Indicates Change to normal schedule. OCARC Board of Directors schedules breakfast meetings on the 1st Satur day of each month. B Indicates Breakfast available at extra cost, meeting held offsite at a location; Marie Calanders.

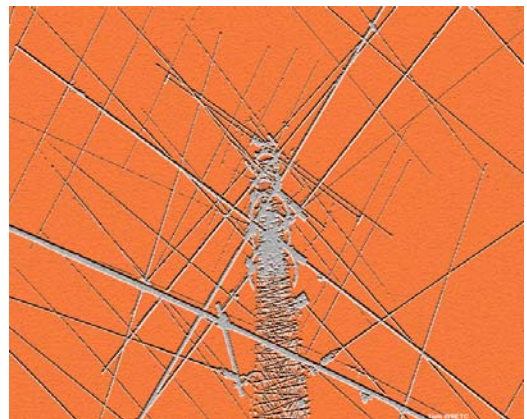
**OCARC membership meetings are typically held the 3rd Friday each Month.



Dayton Outdoor Flea Market



Super Crank up Tower



VISIT THE OCARC WEB SITE

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 more.

W6ZE Field Day 2016

When: Saturday 11:00 a.m. May 25 to
Sunday 11:00 a.m. May 26,
(Setup will start 8:30 am Friday,
Teardown will start at 11:00 am Sunday)

Where: Walter Knott Educational
Center, 7300 La Palme Avenue,
Buena Park, California

Food: Meals will be provided by the
Boy Scouts which can be purchased in
advanced at the June General Meeting or
at the Field Day site.

Operators: Contact one of the
Band/Mode Captains listed below if you
are planning to operate on one or more of
the stations. Advance notice will help the
club to optimize our station setup and al-
locate our resources to the preferred
bands and modes.

Support: Besides operators we will
need additional manpower to setup and
takedown antennas, towers, tents, gener-
ator and power lines.

Walter Knott Educational Center Layout

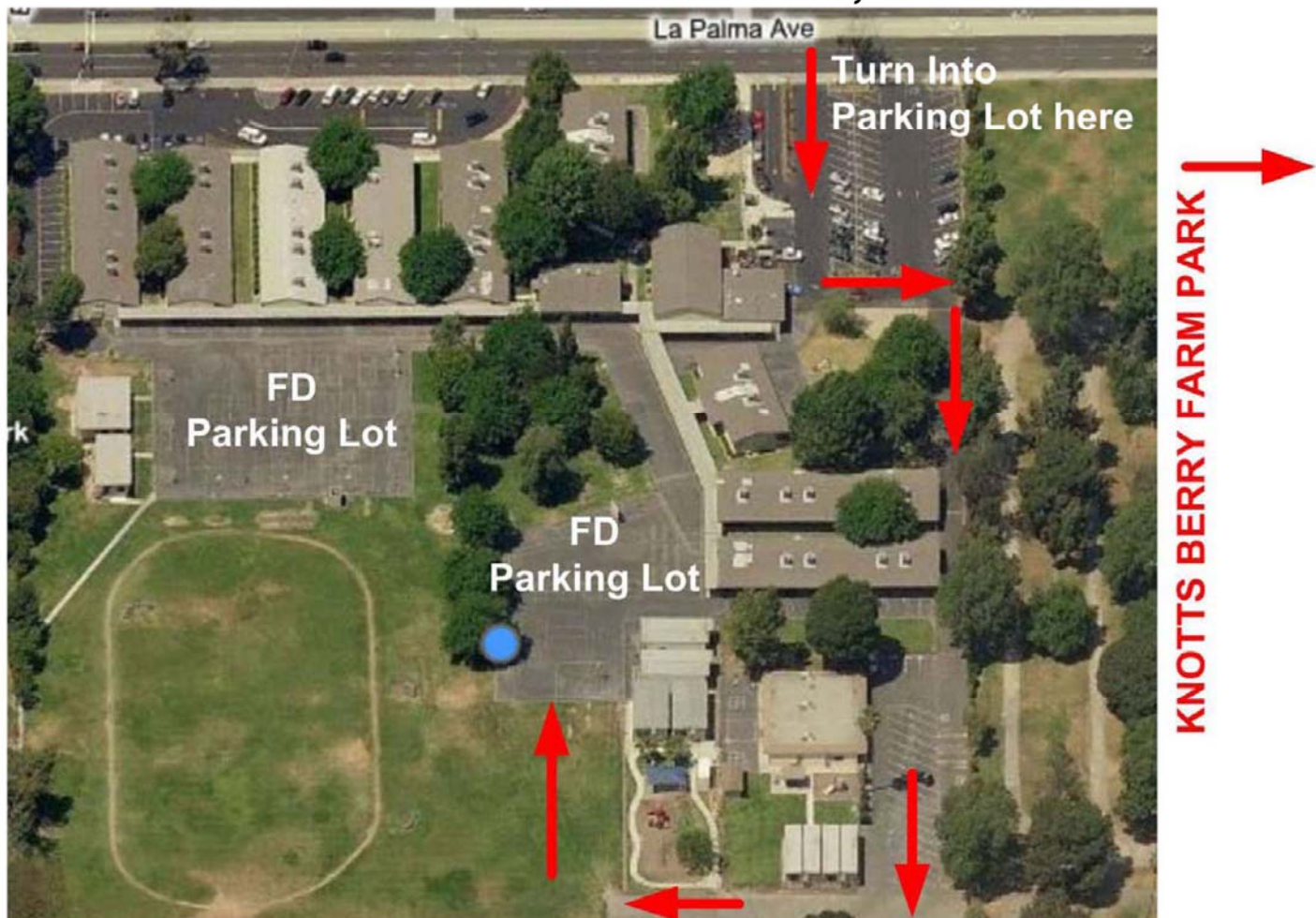


BAND/MODE	BAND/MODE CAPTAIN	MODE	PHONE NUMBER
15m & 40m/CW	Tim N6GP	CW	(714) 730-0395
15m & 40m/PHONE	Don N6XBP	PHONE	(714) 206-6548
10m ,15m, 20m & 40m/DIGITAL	Greg W6ATB	DIGITAL/PHONE	(714) 767-7617
20m/CW	Paul W6GMU	CW	(714) 624-1717
20m/PHONE	Bob AF6C	PHONE	(714) 639-5074
VHF/UFH PHONE	KEN, W6HK	PHONE	(714) 997-0073
SATELLITE	Tony N2VAJ	PHONE	(408) 500-9628
GOTA	Doug K6PGH	PHONE	(714) 501-5527

OCARC Field Day Location Map

Field Day will be again located at last year's site (Walter Knott Education Center) however this year the access to the field may be slightly different than some past years. You may have to drive on a grassy area to reach the Field Day parking lot. See aerial picture below for more details.

7300 La Palma Ave Buena Park, CA 90620



- Head for Knott's Berry Farm
- Take the Beach Blvd (south) exit from the 91 or the 5 FWY
- Turn right (west) on La Palma Ave, along the north edge of Knott's Berry Farm Park.
- Continue driving on La Palma, past the Knott's Berry Park to 7300 La Palma Ave.
- The school will be on your left on the south side of La Palma. Use the first entrance on the East side of the school buildings.

OCARC General Meeting Minutes

May 20, 2016

The OCARC General Meeting was held at the Red Cross Complex on May 20th 2016. The meeting was called to order at 7:03 PM. There were a total of 21 members and visitors in attendance. There was a quorum of officers, with all directors present except Tom W6ETC, Don N6BXP, Ken W6HHC, and Tony N2VAJ.

The meeting started with a moment of silence in memory of the passing of Ken W6HHC's new wife Debbie. Then a video was shown of the Army band in celebration of Armed Forces Day. During attendee introductions, Jesse Mendez (of Boy Scouts Troop 440) KB6MQY was introduced and later became the newest OCARC member during the meeting.

PROGRAM:

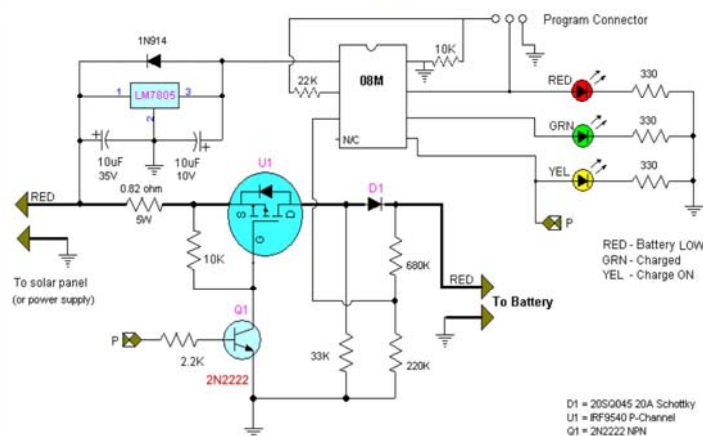
Our main speaker for the evening was "el Presidente" Nicholas Haban – AF6CF speaking on

"An update on portable HF operations..."

Nicholas covered the primary tradeoffs for portable operations in these areas:

- QRP vs. QRO
- Radio choices
- Amplifiers
- Power Sources
- Batteries
- Generator
- Antennas
- Accessories
- Assembling a Go-Box

Solar/DC charge controller



Nicholas presented the design of his solar controller

Club Business:

• Field Day Planning

- We had a FD meeting focusing on the participation of OCRACES prior to the main meeting. OCRACES will handle VHF/UHF this year,
- BSA Troop 440 from Buena Park will participate again this year at Field Day and they are willing to provide food services again.
- The military finally approved the club's use of the Los Alamitos JFTB military base for FD, but OCARC declined in favor of using the Water Knott location.
- Arnie N6HC suggested OCARC NOT drop plans to use 75/80. He pointed out that there are lots of contacts at night.
- During Field Day discussions on budget and logistics; we agreed on food policy and one member (KK6REB) offered help with transportation of the towers. We will load Steve KK6REB's truck on Thursday evening and he will drive to FD location on Friday morning.

• New Club Historian

Corey Miller KE6YHX has been appointed by the board to become the new OCARC Historian. Retiring Historian (for many moons) Bob Evans WB6IXN has been given the title of "OCARC Historian Emeritus" in recognition of his 45 years of service as the club historian.

The Board approved Corey's proposed budget for storage media and the Treasurer was asked to issue a 75\$ check.

• Old Club Generator sold

The club's old Briggs & Stratton 4KW generator on trailer (has been in storage for several years) has been sold to Paul Miles WA6LJV for \$100.

Respectfully submitted by *Nicholas AF6CF, Corey KE6YHX, and Bob AF6C*

- Acting for the OCARC Secretary

OCARC BOARD MEETING MINUTES

2016-06-04

The OCARC Board meeting was held at the Marie Callender's Restaurant on Grand Ave in Santa Ana on June 4th, 2016. There were a total of 11 directors and members attending. There was a quorum with all Directors present except Tom W6ETC and Greg W6ATB.

Director Reports:

- **Membership** – Don N6XBP reported that a membership-renewal e-mail reminder will be sent out to non-renewed members this coming week. Also, a membership PDF roster for 2016 will be e-mailed out.
- **Treasurer**- Greg W6ATB was on vacation, but provided the board with a report that the club had taken in a total of \$1,975 so far this year and that the net profit was currently \$808.
- **Activities** – Tim N6TMT reported that he would organize a "Show-and-Go" park-gathering event followed by an OCARC T-Hunt sometime in August.

OLD BIZ:

• Newsletter Editors

Jun - Tony N2VAJ
Jul - Clem WØMEC
Aug - Greg W6ATB
Sept - (TBD)
Oct - Nicholas AF6CF
Nov - Paul W6GMU
Dec - Don N6XBP

• Program Speakers for Club Meetings

Jun - Chip K7JA on Field Day
Jul - Perhaps the Orange Section Mgr Carl WU6D

• Field Day 2016

- Nicholas reported that Ron W6FPS volunteered to pick up the key for the School District FD site.
- The FD committee is looking for someone with a pick-up truck to transport the club generator (in city of Orange) to the FD site.
- Tim N6TMT reported that Troop 440 will be selling tickets for FD meals (\$5 per meal) at the June club meeting.
- The board approved a motion to budget \$220 for FD expenses this year.
- Clem WØMEC reported he tested the new band-pass filters that were donated by Ron W6ZQ and turned them over to Bob AF6C after the board mtg.

• OCARC VE Testing

Tim N6TMT announced he is now listed on the ARRL VE web site.

• New OCARC Historian

Corey KE6YHX (the club's newly appointed historian) reported that he has acquired the materials he needs to preserve the club history records (all within budget).

Good-of-Club:

- **FIRESTICKS** - There was a discussion about "Fire TV Sticks", a powerful streaming media stick product to eliminate the purchase of cable-television services.
- **SOLAR TECHNOLOGY** – There was a lively discussion led by Doug K6PGH and Nicholas AF6CF to explain the differences between solar panels using "mono" materials and "poly" materials...and the trade-offs between these two solar material technologies.

Respectfully submitted by *Ken Konechy W6HHC*
- OCARC Secretary

HRO Ham Jam: July 16th

OCARC will exhibit this year for the first time at the 5th Annual HRO Ham Jam on Saturday, July 16, 2016, at Ham Radio Outlet, 933 N. Euclid Street, in Anaheim. Store hours are 10:00 AM to 5:30 PM.

HRO will host local clubs and communications specialists in the store parking lot for this educational and fun event.

This will be a great opportunity for **OCARC** to recruit new membership and show case our club. Ham Jam has been building every year. HRO received positive feedback and hopes to continue to include as many different ham radio participants as possible.

The Eagle Scouts will be providing lunch this year. HRO will have a post Field Day tent with quick deployment antennas for attendees who want to operate on HF using the new Icom IC-7300 transceiver. License testing will also be available most of the day.

OCARC BOARD MEETING MINUTES 2016-05-07

The OCARC Board meeting was held at the Marie Callender's Restaurant on Grand Ave in Santa Ana on May 07th, 2016, starting at 8:15 AM. There were a total of 10 directors and members attending. There was a quorum with all Directors present, except Tom W6ETC and Tony N2VAJ.

Director Reports:

- **Membership** – Don N6XBP reported he had finished updating a new membership spreadsheet for the club website.
- **Treasurer**- Greg W6ATB reported that all the "tax stuff" (IRS and CA) for the OCARC Corporation had been completed for the year.
- **Activities** – Tim N6TMT reported that he was planning a "Show-and-Go" event at a park near the Summit House in Brea for August. [See page 04 of this Newsletter for more details]

OLD BIZ:

• Newsletter Editors

June - Tony N2VAJ
 Jul - Clem WØMEC
 Aug - Greg W6ATB
 Sept - (TBD)
 Oct - Nicholas AF6CF
 Nov - Paul W6GMU
 Dec - Don N6XBP

• Program Speakers for Club Meetings

May - perhaps AF6CF on solar controllers for portable operations???

Jun - perhaps Chip K7JA on Field Day??

• Field Day 2016 Site Selection

Ron W6FPS said he would contact the Knott School people to firm up our permission for the school field.

Clem WØMEC said he would test the clubs new FD Band Pass filters.

• OCARC VE Testing Schedule

This effort was tabled for a while.

• Membership PayPal button

This effort is tabled until July.

• "Opportunity" Drawing Plans

There was discussion to create a "list for first refusal" of items in the drawing.

• OCARC Historian

Nicholas AF6CF announced that Corey KE6YHX had been accepted the appointment to become the next Historian for OCARC. Retiring Historian Bob WB6IXN was named as "Historian Emeritus" for OCARC in recognition of his 40+ years of hard work performing this task for the club.

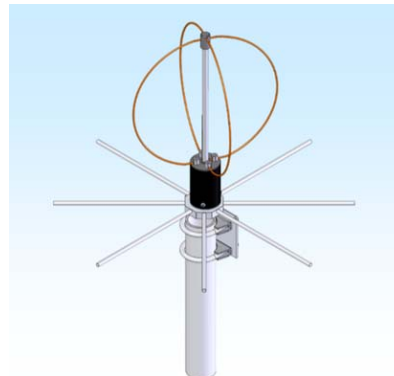
Corey KE6YHX described his plans to capture all of the existing "paper records" to electronic media over the next several months. A motion was passed to approve the historian's proposed budget of around \$75 for materials for the history backup.

Respectfully submitted by *Ken Konechy W6HHC*
 - OCARC Secretary

Satellite Antennas

Anyone can listen to and operate from simple 2 Meter and 440 MHz radio equipment and antennas but what if you want to take a step up and operate with antennas dedicated for this part of the hobby. You don't have to set up sophisticated beams with motorized tracking programs and yet you can operate with dedicated satellite antennas without the need of a buddy to hold and move your beam around.

The answer is the M2 Antenna Systems, Inc. Eggbeater Satellite Antenna system or pair. One antenna for 2 Meters and one for 440 MHz. These antennas have an Omni Directional Pattern and RH Circular Overhead Polarity making them ideal for Satellite use.



EB-432/RK70CM



An ARRL Special Service Club

OCARC 2016 Club & Special Event Calendar

June 04, 2016 OCARC Board of Directors Meeting

<http://www.w6ze.org/MeetingInfo.html>

June 17, 2017 OCARC General Meeting @ the ARC

Santa Ana <http://www.w6ze.org/MeetingInfo.html>

June 24-26, 2016 ARRL Field Day, OCARC Major Event (Link?)

July 04, 2016 OCARC Board of Directors Meeting

<http://www.w6ze.org/MeetingInfo.html>

July 15, 2016 OCARC General Meeting @ the ARC

Santa Ana <http://www.w6ze.org/MeetingInfo.html>

July 16-17, 2016 North American QSO Party (RTTY)

<http://ncjweb.com/NAQP-Rules.pdf>

Aug. 06, 2016 OCARC Board of Directors Meeting

<http://www.w6ze.org/MeetingInfo.html>

Aug. 06-07, 2016 North American QSO Party (CW)

<http://ncjweb.com/NAQP-Rules.pdf>

Aug. 19, 2016 OCARC General Meeting @ the ARC

Santa Ana <http://www.w6ze.org/MeetingInfo.html>

Aug. 20-21, 2016 North American QSO Party (SSB)

<http://ncjweb.com/NAQP-Rules.pdf>

Sept. 03, 2016 OCARC Board of Directors Meeting

<http://www.w6ze.org/MeetingInfo.html>

Sept. 16, 2016 OCARC General Meeting @ the ARC

Santa Ana <http://www.w6ze.org/MeetingInfo.html>

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. 01-02, 2016 California QSO Party

<http://www.cqp.org/> rules: <http://www.cqp.org/Rules.html>

Oct. 21, 2016 **OCARC Auction** (Link Pending)

Oct. 09-11, 2016 The 34th Annual ARRL & TAPR Digital

Comm. Conference <https://www.tapr.org/dcc.html>

Oct. 14-16, 2016 ARRL Pacific Division Convention

(PACIFICON) <http://www.pacificon.org/>

Oct. 22-23, 2016 JOTA (Jamboree-on-the-Air)

<http://www.scouting.org/JOTA.aspx>

Oct. 26-27, 2016 CQ Worldwide DX Contest, SSB

<http://www.cqww.com/>

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>

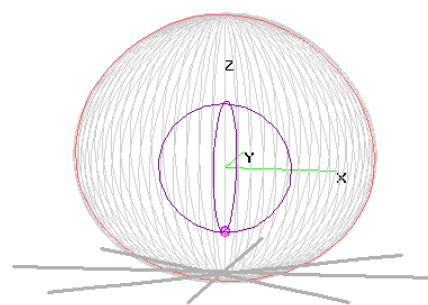
Nov. 19-21, 2016 ARRL November Sweepstakes Con-

test, SSB <http://www.arrl.org/sweepstakes>

Nov. 20, 2016 **OCARC General Meeting @ the ARC**

Santa Ana <http://www.w6ze.org/MeetingInfo.html>

eddy_beater-star.out Tot-gain 440 MHz



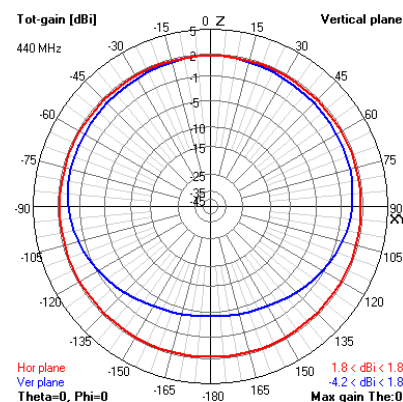
Theta : 81

Axis : 0.2 mtr

Phi : 280

Modeled with 4nec2 freeware; for *pictorial reference only*. Please reference M2 antenna data sheet for exact performance specifications.

<http://www.m2inc.com/amateur/eb-432-rk70cm-400-470-mhz/>



Modeled with 4nec2 freeware written by:



You can see these antennas in action at the OCARC & OCRACES Joint Field Day!

Respectfully submitted by Tony; N2VAJ

Nov. 26-27, 2016 CQ Worldwide DX Contest, CQ

<http://www.cqww.com/>

Dec. 02-04, 2016 ARRL 160-Meter Contest

<http://www.arrl.org/160-meter>

Dec. 10-11, 2016 ARRL 10-Meter Contest

<http://www.arrl.org/10-meter>

Dec. 09, 2016 **OCARC Holiday Party**

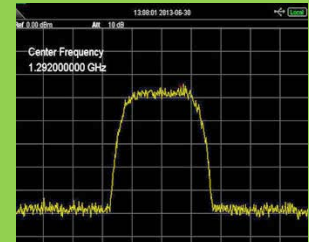
(date & booking pending)



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