



RF



ORANGE COUNTY AMATEUR RADIO CLUB, INC.

VOL. LVII NO. 10

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

October 2016

The Prez Sez.....

By Nicholas AF6CF



Greetings to all! October is here, and this means that we will have an opportunity to empty our garages of all that treasures that we had accumulated during the year to make space for the new "stuff" that we would acquire at the OCARC annual auction. Again this year I will be Auctioneer Chip's minion to keep things organized. See pages 3 and 4 for more information. November is going to be an exciting month for the Club, as we will have Clint K6LCS to talk about satellite communications and an update of the equipment and practices to get the best contacts. Satellite work is very exciting and rewarding, as you need practice and skills to obtain the

best QSO's. The satellite passes are predictable, but the results are not. Clint will share with us all the "secrets" that you need to know in order to obtain a successful contact. Mark your calendars so you do not miss this presentation. The November meeting will also be the annual elections for the OCARC Board of Directors. This is your chance to help the Club by taking part in the day-to-day decision-making. See page 7 for a list of the candidates. Speaking of calendars, December 9th will be our Christmas Party at Mimi's Café on 17th Street in Tustin. We expect the dinner price to be the same or lower than last year, and next month you will even be able to use PayPal in our website to pay for the dinner cost. As usual, I hope to see you all at the next General Meeting.

73 DE AF6CF



Next General Meeting

The next OCARC General meeting will be the yearly Radio Auction....

So everybody will have a chance to buy and sell Radio related equipment!!!!

The next General Meeting will be on:

**Friday, October 21st, 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!

In This Issue:	Page
The Prez Sez	1
Next meeting info	1
Club Information	2
Radio Auction flyer	3
OCARC Auction Rules	4
Partial List of Auction Items	5
Event Calendar	6
2017 OCARC Elections	7
Show 'N' Tell	8
Board Meeting Minutes.....	9
General Meeting Minutes	10
Pacificon 2016	11
DATV Express	12





2016 Board of Directors:

President:

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Vice President:

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Bob Eckweiler, AF6C
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af6c@w6ze.org

2016 Club Appointments:

W6ZE Club License Trustee:

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(714) 639-5074
af6c@w6ze.org

Club Historian(s) (Updated)

Corey Miller KE6YHX
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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.



OCARC 2016 ANNUAL AUCTION



**Friday, October 21st
7:00 PM**

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

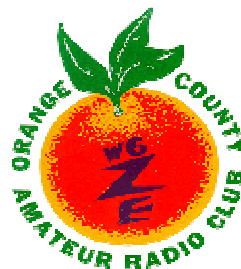
Mark Your Calendar



**Auctioneer:
Chip Margelli K7JA**

by Tom W6ETC

AUCTION
OCARC RADIO AUCTION
Friday, October 21, 2016 7 PM
www.w6ze.org



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.



Partial list of Auction Items

- 1) Heathkit model SB-200 1200W HF Linear Amplifier w/ new solid-state power-supply
- 2) Kenwood model TS-940S w/ internal AT and w/ matching speaker
- 3) Kenwood 230 Antenna Tuner
- 4) Solar Panel Accessory Kit from Harbor Freight 68751 each kit includes Thunderbolt Magnum Solar Panel 45W Power Kit charge controller - New Unopened x3
- 5) Sony Trinitron Multiscan CPD-200GS 16" CRT Color Monitor, VGA w/Mac adapter and power cable, tested and working
- 6) Yaesu VHF handy talkies
- 7) Vacuum Tubes Lot
- 8) Component Cabinet
- 9) Assorted Transistors and components
- 10) AEA ISO-Loop Antenna
- 11) 6 Meter Yagi Antenna
- 12) Mobile antenna whips
- 13) Coax cables and Jumper
- 14) Morse keys
- 15) Morse Code Decoder
- 16) Wideband Amplifier

This is only a small fraction of the items that will be auctioned off at the meeting. Remember, anybody can buy or sell at our auction, just bring your items and arrive early. We plan to open at 6 PM to start the viewing process and start the auction itself at 7 PM sharp.

You can also bring items to donate to the Club if you wish.

Only Radio or computer related items will be accepted for sale.

Thanks.

OCARC 2016 Club & Special Event Calendar



An ARRL Special Service Club

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

Nov. 20, 2016 OCARC General Meeting @ the ARC Santa Ana

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

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 - (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 – Tim N6GP

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.



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! *

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
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 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.

OCARC BOARD MEETING MINUTES 2016-10-01

The OCARC Board meeting was held at the Marie Callender's Restaurant at 1821 N. Grand Ave in Santa Ana on October 1st, 2016. There were a total of eight members attending. There was a quorum with all Directors present except Tom W6ETC, Greg W6ATB, Doug K6PGH, Bob AF6C & Tony N2VAJ,

Director Reports:

- **Membership** – Don N6XBP agreed to mail copies of the general meeting “sign in sheets” for July and August to the club Historian.

OLD BIZ:

- **Newsletter Editors**

Oct - Nicholas AF6CF
Nov - Paul W6GMU
Dec - Don N6XBP
Jan - Greg W6ATB
Feb - Bob AF6C

- **Program Speakers for Club Meetings**

Oct – club radio auction
Nov – Working Amateur Satellites with Your HT
Nov – (NOTE: club 2017 elections will also be held)
Dec – NO CLUB MEETING (Christmas Party instead)

- **PayPal Button**

Ken W6HHC reported that the PayPal “membership” button to renew memberships was fully operation. A request to allow paying for Christmas Dinner tickets by PayPal will begin after the OCARC auction.

- **OCARC VE Team**

This effort has been tabled.

- **Club History Material at Santa Ana Library**

The club's new Historian, Corey KE6YHX, reported OCARC history in the SAHR (History Room). There are two groups (“SAHR 621.38416 ORA” and “P3936”). The OCARC Field Day photo has been currently misplaced.

- **New Ass't Webmaster**

Don N6XBP confirmed to Ken W6HHC that he is still interested in helping with the club web site. Ken will start more training when he gets back from vacation.

- **2017 OCARC Election Committee**

Nicholas AF6CF reported for the election committee that that Tim N6GP was interested to be

President. Currently there are two election openings: Vice Pres & Publicity. See page 7 of this issue of the RF newsletter.

- **Opportunity Drawing Plans**

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

- **Report on Recent Show & Go Activity**

Tim N6TMT reported that there was a very low OCARC turn out for the Show & Go Activity held in August. Instead of a T-Hunt, W6ETC, N6GP, and N6TMT conducted a near-by NPOTA event

- **Updated OCARC Tri-fold Brochure**

Bob AF6C identified a printing vendor for a batch of 250 color copies of the OCARC Tri-Fold Brochure using 8.5x14 paper (ideally either off-white or light “orange-ish”). Tim N6TMT agreed to place the order.

- **OCARC Pens for Advertising**

There were two reports that the sample pens, that had been obtained & handed-out, dry out quickly?

- **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. The board passed a motion to budget \$850 gifts and prizes at the dinner party:

- \$500 HRO gift certificates
- \$100 other ham prizes
- \$250 for gifts for ladies

NEW BIZ:

OCARC Gen Meeting feedback – good attendance. The gift certificates sold with a profit.

GOOD of CLUB:

- Tim N8TMT needs to identify a new HF antenna to mount permanently at his QTH.
- Clem WØMEC reported that historically he had been plagued with high noise on 10M. His neighbor is gutting his house and has re-wired for 3-wire electrical. Now the HF noise is gone.
- Paul W6GMU reported that he had recently visited the Television studio set for the “Last Man Standing” show. He was able to operate and make QSOs for three hours.

OCARC General Meeting Minutes

2016-09-16

The OCARC General Meeting was held at the Red Cross Complex in Santa Ana on September 16th 2016. There were a total of 35 members and visitors in attendance. There was a quorum of officers, with all directors present except Doug K6PGH and Bob AF6C.

BUSINESS:

- Ken W6KOS announced the Multiple Sclerosis Bike event would be held Oct 22 – 23 and is looking for ham radio communicators.
- Tom W6ETC reported that the OCARC yearly Radio Auction would be held on October 21 and that Chip K7JA will be the auctioneer.
- Ken W6HHC reported that a **PayPal** button is now available on the OCARC web site for members to pay for renewals or new members to join.
- Ken W6HHC was asked to consider adding a **PayPal** button for the Christmas Party in Dec.

PROGRAM:

Our main speakers for the evening were Joe Ayers AE6XE and Don Hill KE6BXT, speaking on:

“Recent updates in Broadband-Hamnet...”

Hamnet and the AREDN network design (Amateur Radio Emergency Data Network) has a focus on Emergency Communications to provide hams with a means to support local emergency needs with voice, data, and video.

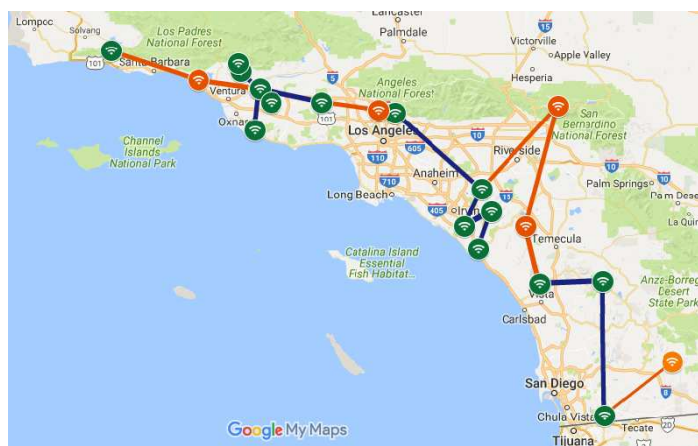


Fig01 – The existing Southern Calif Hamnet is shown in **GREEN**. Expansion plans in **RED**.



Fig02 – A Hamnet “Nano Station” from Ubiquiti contains two access points

Don KE6BXT explained that there are currently 170 Hamnet nodes in southern California. But, some gaps currently exist as shown in Fig01. These gaps are currently connected together by “VPN internet tunnels”.

This slide presentation is now linked on the OCARC web site under “Ham Related Page” More details on the efforts for AE6XE and KE6BXT can be found at www.OCmesh.org



Fig03 – Peter NI6E brought his ex-NBC television truck and was able to reach the Pleasants Peak Hamnet node in San Bernardino

Submitted by *Ken W6HHC*
OCARC Secretary

Map & Address for PACIFICON 2016 at the San Ramon Marriott Hotel



San Ramon Marriott Hotel
2600 Bishop Drive
San Ramon CA 94583
1-925-867-9200, 1-800-228-9200

Take highway 680 to Bollinger Canyon Rd. exit
in San Ramon. Go east on Bollinger Canyon
Rd. First left onto Sunset Dr. Second left onto
Bishop Dr. About 1/4 mile to Hotel on left.

Parking is limited. See instructions on website.

www.PACIFICON.org
EVENTS-SCHEDULES-REGISTRATION



**PACIFICON RETURNS
TO SAN RAMON**

PACIFICON 2016

P.O. Box 31372
Walnut Creek CA 94598
E-mail: info@pacificon.org
(925) 778-5977

Talk-in: 147.060 + (PL 100Hz) East Bay
145.390 - (PL 100Hz) South Bay
See website for updates

www.PACIFICON.org
EVENTS-SCHEDULES-REGISTRATION

October 14-16 PACIFICON Amateur Radio Convention at the San Ramon Marriott Hotel, San Ramon CA

The American Radio Relay League Pacific Division



The Ham Radio Convention
October 14, 15 & 16, 2016

2016 EVENTS INCLUDE:

All Day Friday Antenna Seminar
Outstanding Technical & EmComm Forums
Ham Radio 101 & 201 Seminars
Latest Ham Radio Equipment in Vendor Hall
Special Youth and Adult Kit Building
Saturday Breakfast with Gordon West
Saturday Banquet with Special Speaker
Special Events Radio Station - Get On The Air
One Day Technician License Prep Class
NEW! One Day General License Prep Class
Ham License Exams - Tech, General, Extra
Great Sunday Swap Meet

TAKES PLACE AT THE:

MARRIOTT San Ramon

ADMISSION: \$25 IN ADVANCE

(Some events are additional - see Registration Form)

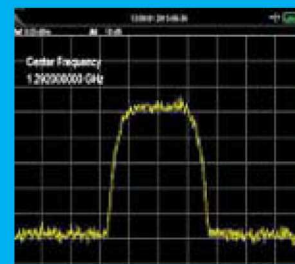
An ARRL Pacific Division Convention - Produced by the
Mt. Diablo Amateur Radio Club (MDARC)

www.PACIFICON.org
EVENTS-SCHEDULES-REGISTRATION



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

