



RF



ORANGE COUNTY AMATEUR RADIO CLUB, INC.

VOL. LVII NO. 11

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

November 2016

The Prez Sez.....

By Nicholas AF6CF



Hello and Greetings to all! This is November, so we are in the Club's Elections month, and preparing for the Holiday Banquet on December 9th. Let me report that the October Auction again was a big success, with lots of fine equipment changing hands and the Club benefiting from all the action. Many thanks to the generous souls that donated equipment to be sold, and especially to the Chief Auctioneer Chip K7JA who, as usual, did a fantastic job in a very good time frame. We will have an outstanding speaker for the November meeting, and after that we will have the elections for next year's Board of Directors. The presentation will be about **Satellite** communications

and we will learn about the equipment and skills needed to make contacts through the different "birds" thanks to Clint K6LCS. As in every year, the elections committee is feverishly working on a slate, but as per the Club's rules, anybody can be nominated to any position from the floor, so this is your chance to help the Club run its daily business by becoming one of the Directors (or even President), Any current Club member can have any position on the board. As mentioned, the Christmas Party date has been set for Friday December 9th. Mark your calendars early so you don't miss it. This year you can even pay for your ticket via PayPal on our website. The cover price will be very low as usual, and we will have great door prizes, including gift certificates, radios, antennas, etc. Please see the flyer in this newsletter for location and times. As usual, I look forward to an eyeball contact with you at the next Gen'l Meeting, and expect you to cast your vote for next year's Directors Board. Remember:

"Vox Populi, Vox Dei".

73 DE AF6CF

Next General Meeting

The next OCARC General meeting presentation is titled "**How to Work Amateur Satellites with Your HT**", presented by Clint Bradford, K6LCS, a guy who has long experience on this subject!

The next General Meeting will be on:

Friday, November 18th, 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 Board of Directors:

President:

Nicholas Haban, AF6CF
(714) 693-9778
AF6CF@w6ze.org

Vice President:

Tom Cowart, W6ETC
(714) 454-0571
W6ETC@w6ze.org

Secretary:

Ken Konechy, W6HHC
(714) 348-1636
W6HHC@w6ze.org

Treasurer:

Greg Bohning, W6ATB
(714) 767-7617
w6atb@w6ze.org

Membership:

Don Mech, N6XBP
(714) 206-6548
n6xbp@w6ze.org

Activities:

Tim Millard, N6TMT
(714) 744-8909
n6tmt@w6ze.org

Publicity:

Douglas Wood, K6PGH
(714) 501-5527
k6pgh@w6ze.org

Technical:

Clem Brzoznowski, WØMEC
(714) 927-4065
WØMEC@w6ze.org

Directors-At-Large:

Tony Scalpi, N2VAJ
(408) 500--9628
n2vaj@w6ze.org

Bob Eckweiler, AF6C
(714) 639-5074
af6c@w6ze.org

2016 Club Appointments:

W6ZE Club License Trustee:

Bob Eckweiler, AF6C
(714) 639-5074
af6c@w6ze.org

Club Historian(s) (Updated)

Corey Miller KE6YHX
(714) 639-5475
KE6YHX@w6ze.org

Bob Evans, WB6IXN (Emeritus)
(714) 543-9111
WB6IXN@w6ze.org

RF Editor – Nov - Rotating:

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

Webmaster:

Ken Konechy, W6HHC
(714) 348-1636
W6HHC@w6ze.org

Assistant Webmaster:

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

ARRL Awards Appointees:

Arnie Shatz, N6HC
(714) 573-2965
n6hc@aol.com

John Schroeder, N6QQ
(West Orange Co.)
(562) 404-1112
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.

Here are two World-War-2 HF Radio “Go-Boxes”

by Ken W6HHC

While vacationing in Northern France recently, the tour-package included a visit to the D-Day invasion site of Omaha Beach. Omaha Beach was one of two beaches used by the American soldiers to invade occupied-France from the English Channel. In a small town near Omaha Beach is an “invasion-focused” Military Museum. I visited the museum and went on a trip back 70-years in history.



I enjoyed seeing the cover-plate removed on this HF Go-Box to show the final vacuum tubes



Here is a second HF Go-Box ready to be carried into place.

PALM SPRINGS **HAMFEST**



FEBRUARY 4th 2017



**THE BIGGEST LITTLE HAMFEST IN THE WEST
HAS A NEW DATE AND A NEW LOCATION**

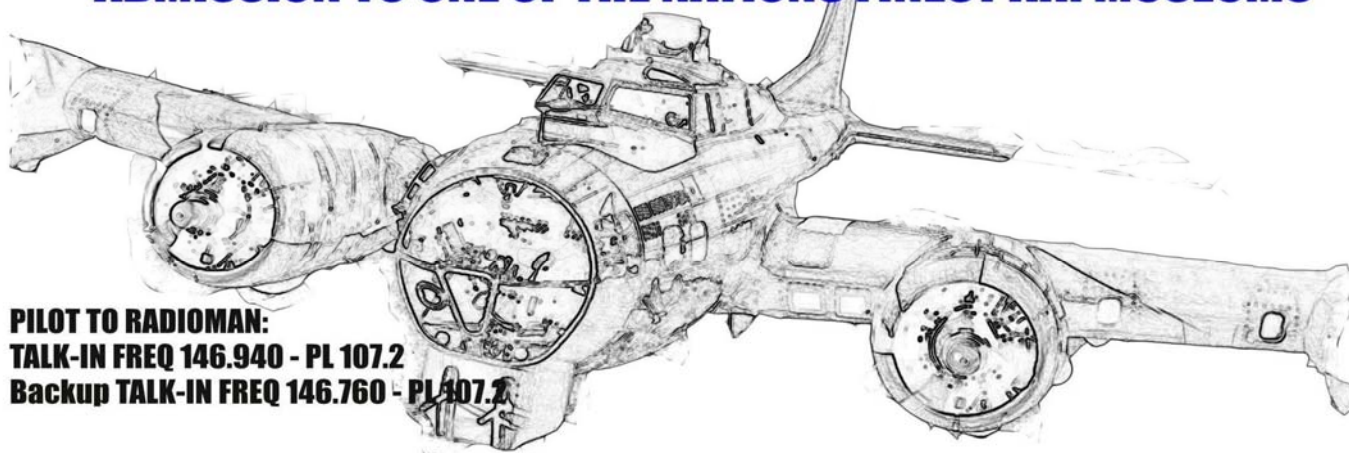
**MORE VENDORS. MORE FLEA MARKET / TAILGATERS. MORE FOOD VENDORS
MORE GUEST SPEAKERS. KIDS AREA, BRING THE FAMILY SPEND THE WEEKEND.
LOTS OF RV PARKING \$5 VE TESTING
AN ARRL SANCTIONED EVENT**

SEE US AT PALMSPRINGSHAMFEST.COM OR DESERTRATS.US

OPENS AT 9:00 AM WITH A RIBBON CUTTING BY PALM SPRINGS MAYOR MOON

NOW AT THE PALM SPRINGS AIR MUSEUM

**YOUR HAMFEST ADMISSION INCLUDES
ADMISSION TO ONE OF THE NATIONS FINEST AIR MUSEUMS**



**PILOT TO RADIOMAN:
TALK-IN FREQ 146.940 - PL 107.2
Backup TALK-IN FREQ 146.760 - PL 107.2**

OCARC Holiday Party!!!!

Friday, December 9

Come and celebrate the Holiday season with OCARC on Friday evening, December 9th 2016 at Mimi's Cafe in Tustin.

OCARC Christmas Dinner Tickets


Friday Dec 09 - gather at 6 PM


Paying at Dinner:
If you are paying at the OCARC Christmas Dinner, please bring cash or a check. Dinner tickets are \$29 per person

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 of dinners you want to pay for from the pull-down menu. Dinner ticket prices are \$29 per person + small fee. Then click on the button to be taken to PayPal to finish your payment. Note that dinners have a small \$1 PayPal fee added to the amount per person.

Dinner Tickets

1 ea Dinner Ticket \$30.00 USD	
2 ea Dinner Tickets \$60.00 USD	
3 ea Dinner Tickets \$90.00 USD	
4 ea Dinner Tickets \$120.00 USD	



Easiest way to pay and reserve your spot is to go to our web link:
<http://www.w6ze.org/XMAS/Christmas-Paypal.html>

This will allow you to reserve a place for you and your party. Tickets are \$29 per person with a \$1 PayPal fee per ticket.

You may also purchase your tickets at our next General Meeting or e-mail our treasurer at **W6ATB@w6ze.org** to arrange purchasing your holiday party dinner tickets! Remember to bring your spouse and friends too!

Dinner is priced at \$29 per person (including tip) and it includes the following meal choice:

- 10oz Steak with Frites
- Grilled Atlantic Salmon
- French Pot Roast

All dinners include a choice of coffee, tea, lemonade or soft drink and come with choice of house salad, Caesar salad, or a cup of soup. Wine and beer are extra cost.

You do NOT need to make your meal selection until the evening of the event but you MUST let us know in advance you are coming since seating is limited. Check the club Website for upcoming info:
www.w6ze.org

Drawing prizes include: \$500 in radio gift certificates as follows:

\$200 gift certificate, 2 ea - \$100 certificates, 2 ea - \$50 certificates! Also, a book and small radio electronic items as well. Drawing tickets available for \$1 per ticket.

Mark the date on your calendar!

Friday night, December 9th - gather at 6:00pm.

Location: Mimi's Cafe

17231 E. 17th St., Tustin, CA 92780

Located East of the 55 Freeway at the 17th St. Tustin exit.

Restaurant is on North side of street next to the freeway.

<https://www.google.com/maps/place/17231+17th+St,+Tustin,+CA+92780/@33.760277,-117.8325052,17z/data=!3m1!4m5!3m4!1s0x80dcda2a95e4dbd1:0x4bc7c38bbef6d618!8m2!3d33.760277!4d-117.8303165>

SEE Y'ALL THERE!

OCARC BOARD MEETING MINUTES 2016-11-05

The OCARC Board meeting was held at the Marie Callender's Restaurant at 1821 N. Grand Ave in Santa Ana on November 5 2016. There were a total of nine members and board members in attendance. There was a quorum with all officers present except: Tom W6ETC, Greg W6ATB, Don N6XBP, and Bob AF6C.

Director Reports:

- **Treasurers Report** – Greg W6ATB could not attend the board meeting, but provided an YTD financial report. Currently the club is close to break-even on finances for the year with a surplus of about \$278. This surplus for the year is after earning about \$400 in net profit from the Radio Auction and after paying \$300 for the club's 2017 liability insurance policy.

OLD BIZ:

• Newsletter Editors

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

• Program Speakers for Club Meetings

Nov – Working Amateur Satellites with Your HT
Nov – (NOTE: club 2017 elections will also be held)
Dec – **NO CLUB MEETING** (Christmas Party instead)
Jan – Brenda Emrick KI6EXL on "Emergency Preparedness in Your Community"-

- **Newsletter Articles** – Doug reminded the Board that having club member shack pictures would be great additions to content of the club newsletters. Ron W6FPS will attempt to have a contribution for November issue. Ken W6HHC will e-mail a reminder 2 weeks before Dec deadline.

- **Christmas Dinner Ticket PayPal button** – Ken W6HHC reported that he had completed the implemented a PayPal button on the club website for members to pay for dinner tickets online. The normal cost a meetings is \$29 per person and \$30 per person by PayPal to defer the PayPal fees. During the Board meeting, Tim N6TMT confirmed all is working well by paying for his Dinner ticket online via PayPal.

Christmas Party Planning – Tim N6TMT said he will prepare a flyer for the OCARC Christmas Party on Dec 09 for the newsletter. It was agreed by the board that the Party Flyer will request people to reserve a spot at the party. There is some concern that Mimi's Café can only hold a party for 42 people with ease.

- **Club Historian Report** – Corey KE6YHX explained that he is trying to create a "browser-able" DVD image of the club web-site on DVD. After the club Board meeting, Corey and Ken were going to have a work-session to investigate the "browser-able links" DVD image question.
- **2017 Election Committee Report** – Nicholas AF6CF and Tim N6GP reported that the VP position is still open on the Nomination slate of 2017 Club Officers. (will **YOU** help the club?)
- **New Assistant WebMaster** – (Don N6XBP ? or Lito KI9H ?) Ken W6HHC reported that he is still trying to make e-mail contact with Don N6XBP to begin training for working on the club website.
- **Club Tri-fold Brochure** – Ken W6HHC reported that he has asked Bob AF6C to add a light background color to the OCARC trifold brochure JPEGs...although Ken is having second thoughts. Tim N6TMT is standing by to order 250 copies of the 8.5 x 14 brochures as soon as that "background color" task is completed.

NEW BIZ:

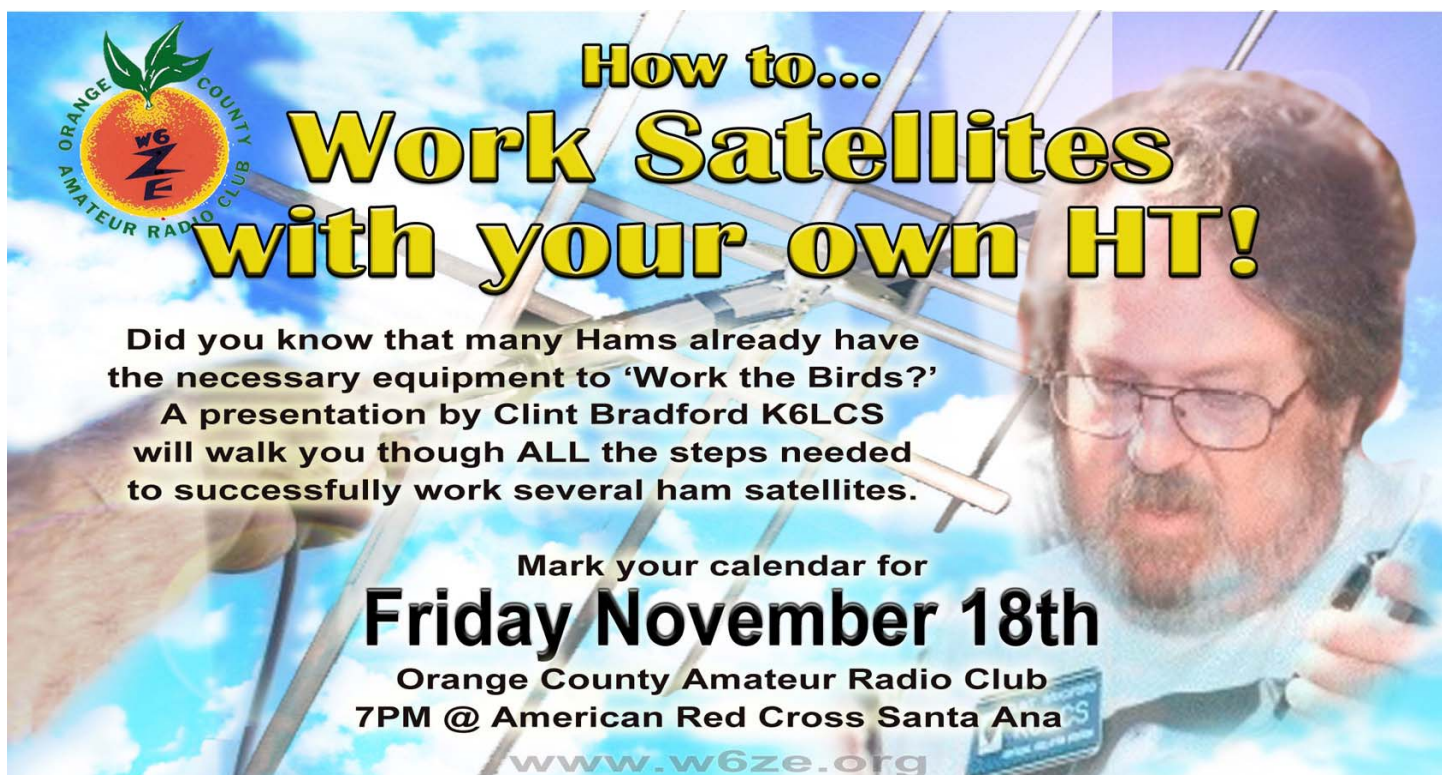
- **Elmering at Irvine HS** – The OCARC has received a request from Woodbridge High School in Irvine to help test equipment to be used to hear CubeSat satellites as part of the STEM program. Nicholas AF6CF will contact and determine needs and also invite to our November meeting that covers "Satellites with HTs".
- **Feedback on Radio Auction** – Radio Auction was a lot of fun and earned money for the club. Ken W6HHC noted there was NOT as much equipment this year...since we had no "estate eqpmnt" this year. Doug K6PGH recommended that after normal auction is completed, club should allow members to request an unsold item to be brought back for another attempt at bidding.
- **Special Budget Worksession** – Tim N6GEP asked if we could have a work session in December to explore lowering dues to \$25/year. Nicholas is going to call a special meeting.

- **Financial Audit Committee** – Nicholas AF6CF appointed the following members to participate in an audit of the 2016 Finances:
 - Greg W6ATB (out-going Treasurer)
 - Tim N6GP
 - Tim N6TMT
 - Ken W6HHC
- **Voting for “Good-of-Club” Award** – Each year the club recognizes and awards a member who has made the most significant contribution to the club for the year. President, Nicholas AF6CF, asked each board member to e-mail him a candidate by November 15.

GOOD of the CLUB:

- Clem W0MEC discussed his brand-new B-Tech model UV-5X3 tri-band handheld.
- Tim N6TMT reported that he has bought a G5RV HF antenna for his QTH. It is now ready to be installed.
- Tony N2VAJ reported that he had a good time at the recent Pacificon Convention and bought a new Elecraft KX-2 rig.
- Tony N2VAJ also explained that he had home-brewed three separate loop-antennas from copper tubing for different HF bands. He reported that he was very impressed working 20M with the loop-antenna just sitting on the table next to him.

submitted by *Ken Konechy W6HHC*
OCARC Secretary



How to...
Work Satellites
with your own HT!

Did you know that many Hams already have the necessary equipment to ‘Work the Birds?’
A presentation by Clint Bradford K6LCS will walk you through ALL the steps needed to successfully work several ham satellites.

Mark your calendar for
Friday November 18th
Orange County Amateur Radio Club
7PM @ American Red Cross Santa Ana
www.w6ze.org

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 — Dan N6PEQ

TECHNICAL— Clem W0MEC

DIRECTOR AT LARGE #1 — Nicholas AF6CF

DIRECTOR AT LARGE #2 — Greg W6ATB

This list of suggested names is not final or “all inclusive” and it is subject to change at or before the November 18th Elections.

If you want to run for a position on the OCARC Board of Directors, please contact the Elections Committee Chairman AF6CF@W6ZE.org .

OCARC Cash Flow - Year To Date

1/1/2016 through 11/4/2016

Category	1/1/2016- 11/4/2016
INFLOWS	
ARRL Membership Dues	39.00
Auction In	1,233.75
Badge Income	6.00
Battery-Box-Kit	150.00
Dues, Membership 2016	1,670.00
Dues, Membership 2017	60.00
Dues, Membership 2017 (PayPal)	63.00
Dues, New Member 2016	180.00
Field Day Food Advance	428.50
Food Snacks Donations	33.00
Old Generator Sold	100.00
TOTAL INFLOWS	3,963.25
OUTFLOWS	
ARRL Membership Expense	34.00
Auction Payout	828.00
Bank Svc Chg	45.00
Battery-Box-Parts	166.25
CA Statement Of Info filing	20.00
Club History Archive	4.00
Coffee Supplies Expense	76.73
Door Prize	100.00
Field Day Food	612.50
Food Snacks	230.58
LIABILITY INSURANCE	300.00
Money Back For Change	10.00
OCARC Historian	159.46
PAYPAL FEE'S	4.28
PAYPAL Testing Reimbursement	2.80
PO Box Rental	60.00
Postage	39.16
Promotional OCARC Pens	136.70
Storage Locker	735.00
Web Site Hosting	89.94
Web Site SSL Fee	29.99
TOTAL OUTFLOWS	3,684.39
OVERALL TOTAL	278.86

A Tour of W6FPS's Shack

Before I take you on a tour of the shack, let me give you a summary of my Ham Radio history. When I was born my father was a commercial fisherman. For communications, his boat was equipped with a transmitter that was limited to the bands that the commercial fishing boats used when operating off the coast of California and Mexico. The receiver onboard was a Hallicrafters Model S-38A which covered from the broadcast frequencies up to 30 megacycles. In the early 1950s, the price on albacore dropped and my father quit fishing for a living. The receiver somehow ended up in my bedroom and I became interested in shortwave listening. In the '50s, the world was a much bigger place and to hear broadcasts from Europe or Asia was simply amazing. Since then, I have been interested in radio. I was first licensed as a novice, WN6FPS, in the spring of 1963. For my novice station the S-38A was used along with a 60 watt CW EICO 723 transmitter that I had built from a kit. At that time the transmitter kit, at \$68.00, was the most expensive thing that I had ever bought. My novice license expired in 1964 and I wasn't licensed again until 1988 as KB6YUD. Other calls that I have had are N6SUV and AD6NI. When I received my Extra Class ticket I applied for a vanity call and luckily could get my novice call minus the N, hence W6FPS. So, enough about history, now on with the tour.

As you can see from the accompanying photo, my radio room is as small a size as Ham Shacks go. The entire shack is in a 4' x 4' closet. What it lacks in space I have made up for with clutter. A list of the equipment in the shack, by functions: my transmitters include five homebrew QRP rigs & an EICO 723(not the original one that I had built as a kid); The only receiver is a Hallicrafters S-38A, sadly not the one from my father; there are three transceivers, an ICOM 746PRO, an Elecraft KX3 and a Baofeng UV-5R. I also have a Heathkit SB-201 amplifier that I picked up at a TRW swap meet to which I am going to add a few mods in the near future. My shack and equipment are minimal but sufficient for my needs.

I enjoy operating CW (wish I was more fluent) so I have a small key collection: one bug, two iambic and five straight keys. I also like to build antennas but, due to antenna restrictions (XYL imposed) they are inconspicuous. I have a trapped vertical in the backyard for 20 & 40 Meters and in the attic, hidden from view, 10 & 20 meter dipoles and a 10 meter moxon. I constructed two three element yagis, one for 10 and one for 20 meters, and a 10, 15 and 20 meter Hexbeam that I can use for portable operations. The yagis and Hexbeam can be easily set up in the driveway for a weekend events. See the photo for the 20 meter yagi on my homebrew telescopic mast. Can you see the neighbors shaking their heads?

The shack has shelving full of reference material, power supplies, dummy loads, antenna tuners, tools, and a recently purchased Dell computer that I have dedicated solely to Ham Radio.

On-air time is limited but I try to make time for a few of my favorite events, i.e., ARRL Sweepstakes, California QSO Party, monthly SKCC SKS & WES, and the ARRL 10 Meter Contest. I would like the tour to continue but I should get up in the attic to string a few more dipoles.

73, Ron W6FPS



OCARC 2016 Club & Special Event Calendar



An ARRL Special Service Club

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)



OCARC General Meeting Minutes (OCARC Radio Auction)

2016-10-21

The OCARC yearly Radio Auction was held at the Red Cross Complex in Santa Ana on October 21st 2016 (in place of a normal club General Meeting). There were a total of 34 members and visitors in attendance. There was a quorum of officers, with all directors present.

Chip Margelli K7JA always makes an excellent auctioneer with long personal knowledge of ham radio gear. His wife, Janet KL7MF (manager at local HRO store), was there and provided "walking encyclopedia" answers to questions about original prices of equipment. There was a good crowd, lots of equipment and lots of fun. Club treasurer Greg W6ATB estimated the club made about \$440 in profits during the auction.

PROGRAM:



Chip Margelli K7JA, was "auctioneer emeritus" for the event & is seen pointing a hi-voltage probe at a buyer



President Nicholas AF6CF (shown in blue shirt) worked hard to keep items coming to the auctioneer. Here is a view of the crowd at the auction.



Here is a view near the end of the auction of some items that still remained to go on the auction block.

Submitted by *Ken W6HHC*
OCARC Secretary

Digital-ATV Boards "Should the Project Team Order More Boards? "

During the month of October, the last DATV-Express board in inventory was shipped. Currently, the PayPal coding has been removed from the DATV-Express.com website and board sales have been stopped. **The project team is looking for a "show of hands" via e-mail to see if there are enough hams willing to agree to a standby order...if more boards were to be built.** No payments are required for a "show of hands" e-mail, just your commitment to buy a board or two if the project team builds another production-lot. The pricing will remain the same...US\$300 + shipping (from USA) via PayPal.

If you are willing to agree to a standby order, then send an e-mail to

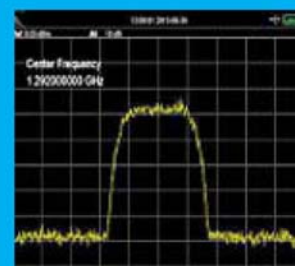
Support@DATV-Express.com

We currently have a list of nine standby orders, and need a total of 16 orders or more to proceed with another board production-run.



Digital Amateur TeleVision Exciter/Transmitter

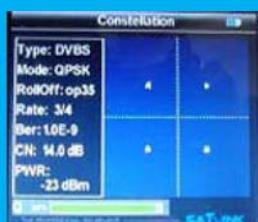
Now available from



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

