

# RF



## ORANGE COUNTY AMATEUR RADIO CLUB, INC.

VOL. LII NO. 11

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

November 2011

### The Prez Sez.....

by Paul W6GMU



We had a super-successful Auction again this year, thanks to our Master Auctioneer Chip and Super-Dan. They handled the job with incredible efficiency, the Club's net profit was excellent and the whole thing was completed in the hoped-for time-frame. [See photos on Pg 3]

This month is the OCARC election for next year's office holders. Please consider participating in the Club's management and activities by going for a "slot" on the Board.

Our program this month will star Peter Putnam-NI6E who will fill us in on his recent trip to the Friedrichshafen HamFest in Germany. I've heard that it is fantastic!

The OCARC Holiday Party will happen on December 9, 2011 at The Jaegerhaus. The price is \$26.00 per person, said fee to be collected by our Treasurer Ken W6HHC.

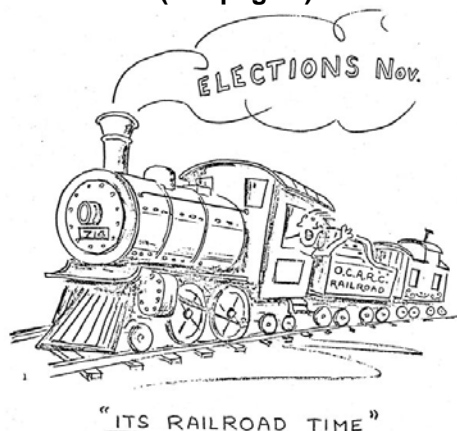
I look forward to seeing you all at the meeting. Fun time approaches!

73 de Paul W6GMU

### OCARC

### Coming Elections

(see page 5)



The next general OCARC meeting will be November 18th. Our speaker, Peter - NI6E, will talk on the

### "Friedrichshafen Hamfest"

in Germany that happens yearly.

This meeting will also include the elections of the 2011 OCARC Board of Directors.

The next general meeting will be on:

**Friday, Nov. 18  
@ 7:00 PM**

As usual, we will be meeting in the east Red Cross Building, Room 208. See you there!

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**ORANGE COUNTY  
AMATEUR RADIO CLUB**  
[www.W6ZE.org](http://www.W6ZE.org)



**2011 Board of Directors:**

**President:**

Paul Gussow, W6GMU  
(714) 624-1717  
[W6GMU@w6ze.org](mailto:W6GMU@w6ze.org)

**Vice President:**

George Jacob, N6VNI  
(562) 544-7373  
[N6VNI@w6ze.org](mailto:N6VNI@w6ze.org)

**Secretary:**

Doug Britton, W6FKX  
(714) 969-0301  
[W6FKX@w6ze.org](mailto:W6FKX@w6ze.org)

**Treasurer:**

Ken Konechy, W6HHC  
(714) 744-0217  
[W6HHC@w6ze.org](mailto:W6HHC@w6ze.org)

**Membership:**

Jeff Hall, W6UX  
(949) 697-9279  
[W6UX@w6ze.org](mailto:W6UX@w6ze.org)

**Activities:**

Kristin Dankert, K6PEQ  
(714) 544-9846  
[K6PEQ@w6ze.org](mailto:K6PEQ@w6ze.org)

**Publicity (Acting):**

Doug Britton, W6FKX  
(714) 969-0301  
[W6FKX@w6ze.org](mailto:W6FKX@w6ze.org)

**Technical:**

Bob Eckweiler, AF6C  
(714) 639-5074  
[AF6C@w6ze.org](mailto:AF6C@w6ze.org)

**Directors-At-Large:**

Dan Dankert, N6PEQ  
(714) 544-9846  
[N6PEQ@w6ze.org](mailto:N6PEQ@w6ze.org)

Larry Mallek, K6YUI  
(714) 533-0887  
[K6YUI@w6ze.org](mailto:K6YUI@w6ze.org)

**2011 Club Appointments:**

**W6ZE Club License Trustee:**

Bob Eckweiler, AF6C  
(714) 639-5074  
[AF6C@w6ze.org](mailto:AF6C@w6ze.org)

**Club Historian:**

Bob Evans, WB6IXN  
(714) 543-9111  
[WB6IXN@w6ze.org](mailto:WB6IXN@w6ze.org)

**RF Editor (rotating):**

Ken Konechy, W6HHC  
(714) 744-0217  
[W6HHC@w6ze.org](mailto:W6HHC@w6ze.org)

**WEB Master:**

Ken Konechy, W6HHC  
(714) 744-0217  
[W6HHC@w6ze.org](mailto:W6HHC@w6ze.org)

**Assistant WEB Master:**

Bob Eckweiler, AF6C  
(714) 639-5074  
[AF6C@w6ze.org](mailto:AF6C@w6ze.org)

**ARRL Awards Appointee:**

Arnie Shatz, N6HC  
(714) 573-2965  
[N6HC@aol.com](mailto:N6HC@aol.com)

Larry Beilin, K6VDP  
(714) 557-7217  
[K6VDP@aol.com](mailto:K6VDP@aol.com)

**OCCARO Delegate:**

Kristine Jacob, KC6TOD  
(562) 619-8870  
[KC6TOD@W6ZE.org](mailto:KC6TOD@W6ZE.org)

**Monthly Events:**

**General Meeting:**

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

**Club Breakfast:**

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

**Club Nets (Listen for W6ZE):**

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

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

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

**VISIT OUR WEB SITE**

<http://www.w6ze.org>

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

**Club Dues:**

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

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

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

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

**OCARC 2011 Radio Auction****Lots of Fun!! – Huge Success!!****Photos by Jim N6DHZ****Great Radio Auction Turn Out – lots of goodies sold**

First a BIG CONGRATS to the club's super salesmen, Chip K7JA and Dan N6PEQ...these guys sold 104 items during the AUCTION! MNY TNX!

Here are the first-pass financial numbers from the auction.....

**Auction Sales amounted to \$1140**

**Auction Payouts and expenses totaled \$330**

-----

**Auction NET PROFIT \$810**

Another special THANKS to Bob Evans WB6IXN who **donated his auction proceeds of \$87** back to the club...WOW!

The estate of club past-president Frank Smith WA6VKZ (SK) donated several hundred dollars of rigs!

It was a GRAND AUCTION for the club. As a result of the club auction...the club is financially back in "the BLACK" for the year.



**Chip K7JA and Dan N6PEQ  
were great!**



**Turn-out of Members & Visitors**



**Ken W6HHC and Bob AF6C  
keep track of sales and monies**





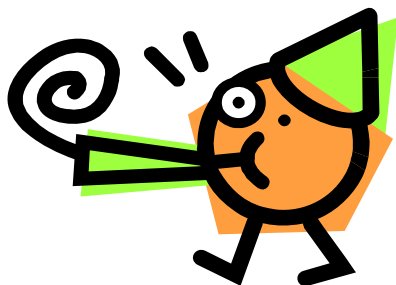
## OCARC 2011 Holiday Party

Friday evening, December 9<sup>th</sup> - 7:00 pm

### RAFFLE

We are going to have a great December Raffle! There are a lot of great prizes and tickets are only a dollar. What a deal! Also, there will be a special raffle for just the ladies. These tickets will not be sold but will be given just for coming. We hope that you will be able to come and share in our fun event!

It's Time to Party!



### ALL THE INFO!

**WHEN:** FRIDAY, DECEMBER 9th

**TIME:** 7 p.m.

**COST:** \$26 per ticket

**WHAT:** Dinner, beverage, Dessert, Tax and Tip included in ticket price plus 1 raffle ticket.

**WHO:** Everyone!

**WHERE:** Jagerhaus Restaurant

**RSVP:** Reserve your spot today at the meeting or email Ken W6HHC at [W6HHC@w6ze.org](mailto:W6HHC@w6ze.org)

## **OCARC Elections**

### **Report from Nomination Committee**

### **LIST OF THOSE RUNNING FOR THE 2012 BOARD OF DIRECTORS**

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

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

PRESIDENT	— Paul W6GMU
VICE PRESIDENT	— Carl N8AE
SECRETARY	— Ken W6HHC
TREASURER	— Bob AF6C
ACTIVITIES	— Tim K6GEP
MEMBERSHIP	— Jeff W6UX
PUBLICITY	— Doug W6FKX
TECHNICAL	— Nicholas AF6CF
DIRECTOR AT LARGE--	
	Kris K6PEQ
	(Need one more candidate!)

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

If you want to run for a position on the OCARC Board of Directors, please contact the Elections Committee Chairman Nicholas AF6CF (AF6CF@w6ze.org).

## TechTalk96

# Streaming Digital-ATV Internet Video from BATC to an iPad

by Ken Konechy W6HHC

Many hams know that they can not receive Adobe Flash video to their iPad or iPhone. This restriction is because Apple Computer decided that Adobe Flash created too large of a security risk to be allowed to be installed on Apple Products. I know that my small security engineering company came to the same security conclusion and does not install Flash on our corporate computers. But, in TechTalk95 I complained that the lack of Flash-video on my iPad prevented me from using the iPad as a spare monitor to watch DATV streaming over the internet from BATC ([www.BATC.tv](http://www.BATC.tv)) or the VK3RTV DATV repeater ([www.VK3RTV.com](http://www.VK3RTV.com)). Now there is a solution for watching streaming internet Flash-video on an Apple product.

The November 2011 issue of MacLife magazine reported that two companies now sell an APP on the iTunes Application Store that allows an iPad or iPhone to receive internet Adobe Flash-video. The technology to allow this is "cloud computing"! Both companies sell a specialized web-browser product to install on your iPad. This web browser redirects your URL for a Flash video through their server in the "cloud". The cloud-server converts Flash-video into a video stream compatible with the iPad and then delivers the new stream to the iPad browser.

### Photon Flash Web Browser

This APP is a specialized web browser for an iPad or iPhone and sells for US\$4.99 on the Apple iTunes Application Store. This APP can handle Flash streaming video, as well as interactive Flash games, as well as pre-recorded Flash video like often used on Facebook,

YouTube, etc. It worked the first time I pointed the iPad browser to the BATC web site for streaming DATV repeaters.



Figure 1 – Screen Shot off iPad of BATC Server video stream using Photon Flash Web Browser

### Skyfire Web Browser

This APP is a second specialized web browser for an iPad or iPhone and sells for only US\$1.99 on the Apple iTunes Application Store. This APP turned out to be a disappointment for me because it handles only pre-recorded Flash video files common on Facebook. The Skyfire APP could **NOT** handle the more sophisticated streaming Flash video found on the BATC site or online interactive Flash games.

### Conclusion

The Photon web browser for iPad works well with Adobe Flash-video! I now can use my iPad as a monitor to display BATC streaming ham television repeaters for my DATV activities.

### Interesting DATV Links

- British ATV Club – select from about 25 streaming repeaters – see [www.BATC.TV/](http://www.BATC.TV/)
- British ATV Club - Digital Forum – see [www.BATC.org.UK/forum/](http://www.BATC.org.UK/forum/)
- VK3RTV Digital Repeater WEB site – see [www.VK3RTV.com](http://www.VK3RTV.com)
- Orange County ARC newsletter entire series of DATV articles – see [www.W6ZE.org/DATV/](http://www.W6ZE.org/DATV/)
- Yahoo Group for Digital ATV - see [groups.yahoo.com/group/DigitalATV/](http://groups.yahoo.com/group/DigitalATV/)

## Heathkit of the Month: #35

by Bob Eckweiler, AF6C

# Heathkit

## Heathkit RS-1

## Resistance Substitution Box

## Introduction:

Occasionally, when servicing a piece of electronic equipment you may find a resistor that has changed resistance or appears open. Sure, you can spend a lot of time replacing the component and see if that fixes the equipment. If it does you're in luck, but if it doesn't you've wasted time.

## Resistance Substitution Box:

A Resistor Substitution Box is just a simple piece of test equipment with two terminals that allows the user to select one of numerous values of resistors. These resistors are usually 5% or 10% tolerance. Since resistors tend to in-

## Resistance Substitution Boxes

<u>Model:</u>	<u>From:</u>	<u>To:</u>
RS-1	1952	1962
IN-12	1962	1967
EUW-28*	1964	1972
EU-28A*	1972	?
IN-37	1967	1978
IN-3137	1983	

## Decade Resistance Boxes

<u>Model:</u>	<u>From:</u>	<u>To:</u>
RD-1	1949	1951
DR-1	1951	1961
IN-11	1961	1967
IN-17	1967	1978
EUW-30*	1964	1972
EU-30A*	1972	?
IN-3117	1978	END

\* Part of the factory wired Malmstadt-Enke Instrumentation Lab by Heath.

**Table 1: Heathkit Resistance Boxes & Approximate Production Years**



**Figure 1: Heathkit RS-1 Resistance Substitution Box shown set for 470 ohms**

crease in resistance as they age or get overheated, it is simple to clip the two leads from the box across the questionable resistor and slowly reduce the resistance of the box until the proper resistance is reached. If the device starts to work you know replacing the resistor will solve the problem. Of course, if the resistor is open just set the box to the needed resistor value. If you are designing a circuit, you can use this to choose the right resistor value for a bias circuit or see how intolerant your circuit is to resistance changes.



**Decade Resistance Box:**

A Decade Resistance Box is a similar device but is for more precision work. It has five or six switches, one for each decade of resistance, so you can dial in any resistance (typically  $1\Omega$  to  $99,999\Omega$  or  $999,999\Omega$ ) in one ohm steps. These boxes are more for serious circuit development or laboratory work than troubleshooting.

Heathkit thought the Resistance Substitution Box and the Decade Resistance Box were viable pieces of test equipment. They sold five different models of the former and six of the latter over the years. Table 1 shows a best guess at the years these items were in production using available catalogs and information off the Internet.

**Heathkit RS-1 Resistance Substitution Box:**

The four resistance substitution box kits made by Heathkit (which excludes the EU series) were all electrically identical to the RS-1. The RS-1 contains thirty-six 1 watt 10% tolerance resistors, two 18-position rotary switches and a two-position slide switch. The slide switch selects which of the two rotary switches are in use. The lower rotary switch covers three decades of resistance from  $15\Omega$  to  $10,000\Omega$ . The upper rotary switch covers three decades of resistance from  $15K\Omega$  to  $10M\Omega$ . Each decade has six values in a 15, 22, 33, 47, 68, 100 sequence. The selected resistance appears at a pair of binding posts. Since resistors are non-polarized, both binding posts are black in color.

The RS-1 mounts in a black bakelite box that measures 6" L x 3" W x 2" H. All the components mount on the aluminum face plate. Two paint schemes were used during the manufacture of the RS-1. The early model is finished in a light beige with red lettering, similar to other early Heathkit test equipment. The later model is shown in Figure 1; it is finished in dark grey with white lettering, similar to the style of the 60's line of test equipment.

The RS-1 Resistance Substitution Box sold for \$5.50 in 1956. This kit and its capacitor com-



**Figure 2: Heathkit RS-1 Resistance Substitution Box shown less case**

panion, the CS-1 were basic kits and were usually only listed in the "Full" line Heathkit catalogs.

**Later Heathkit Resistance Substitution Boxes:**

Heathkit made four other resistance substitution boxes in kit form. They all appear to be identical in size and circuit, and they differ only in paint style, and plastic is more likely used instead of bakelite for the later boxes.

Two other resistance substitution boxes were sold factory wired as part of Heathkit's Malmstadt-Enke Instrumentation Lab, a series of test equipment for schools and science labs. These come in a sloping cabinet and have only one eighteen-position rotary switch, each posi-





**Figure 3: Heathkit IN-3117  
Resistance Decade Box**

tion selects two values. A slide switch on the lower part of the panel determines which of the two values is used. I was not able to determine if the 36 values of resistance available in these boxes are the same as the RS-1? However, that is the likely case.

#### **Heathkit Decade Resistance Boxes:**

While the boxes discussed above are handy for troubleshooting, if you are doing something critical, like trying to balance a bridge circuit, you need finer control of the resistance. The Heathkit decade resistance boxes cover five or six decades of resistance starting at  $1\Omega$  and going to  $99,999\Omega$  or  $999,999\Omega$  depending on the the number of decades covered by the box. Heathkit's first two boxes, The RD-1 and later DR-1 both cover five decades. They come in a birch wood box with a metal plate mounting the five switches in a single row marked **UNITS, TENS, HUNDREDS, THOUSANDS** and **TEN THOUSANDS** as well as the two binding posts. In 1956 the DR-1 sold for \$16.50. These decade boxes contain 20 1% resistors, four for each decade in a 1, 2, 3, 6 arrangement with the proper resistors switched in series for the 1 to 9 value. Heathkit designed a special multi-deck switch for this purpose.

The later decade boxes cover six decades and have 9 equal resistors per decade. For instance the **X1** units decade has nine  $1\Omega$  resistors and the **X1K** thousands decade has nine  $1,000\Omega$  resistors. The resistors for each decade are in series and the switch is a simple single-pole ten-position rotary switch that selects the correct number of resistors. The decades are all wired in series, and on later units they are marked: **X1, X10, X100, X1K, X10K, X100K**. The later units also feature 0.5% resistors for even higher accuracy.

In the 1991 catalog the last of the decade resistance boxes, the IN-3117, sold for \$99.95 (See Figure 3).

#### **Summary:**

The Heathkit RS-1 is a tool, and like most tools it will sit on the shelf until needed; then it can become very valuable in accomplishing the applicable task you have in mind for it.

The RS-1 featured in this article was given to me by Elmer Thomas - WA6PFA, who knew my interest in Heathkit. He included along with the RS-1 a CS-1 Capacitor Substitution Box; perhaps it will be the basis for a future article? Sadly Elmer recently became a silent key and will be missed.

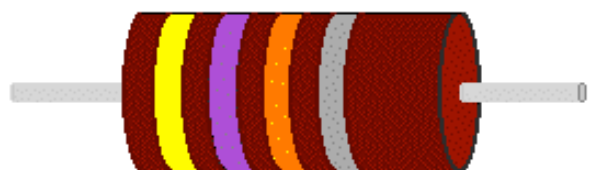
73, from AF6C



*This article is Copyright 2011 R. Eckweiler and The OCARC Inc.*

*Remember, if you are getting rid of any old Heathkit Manuals or Catalogs, please pass them along to me for my research.*

*Thanks, Bob - AF6C*





Follow the Rat.



visit our forum posting for up to the minute details on all the exciting ham radio at our 3rd annual event!

### Palm Springs Hamfest

### Palm Springs Hamfest 2012

**SATURDAY JAN. 28 2012**

**Special Event Station  
WD6RAT**

**Gates open to the public : 9:30  
AM to 4:30 PM**

**on 14.251 and 7.251  
from 0300z - 1200z**

**Admission Fee only \$2.00**

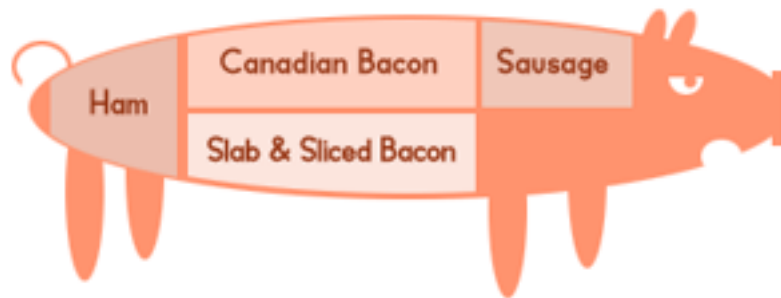
**QSL Desert Rats Club  
P.O. Box 1167 Palm Springs  
CA**

#### Vendor List:

**YAESU DX Store  
Ham Radio Outlet  
Buds Engraving  
Alpine Antennas  
Byonics RF Stuff**

**Information, Demonstrations and talks  
from:**

**ARRL  
Gordon West W5YI  
Clint Bradford AMSAT**



## Ham Cuisine

*by Kristin, K6PEQ*

### Savory Ham and Potato Soup

#### Ingredients:

- 3 1/2 cups peeled and diced potatoes
- 1/3 cup diced celery
- 1/3 cup finely chopped onion
- 3/4 cup diced cooked ham
- 3 1/4 cups water
- 2 tablespoons chicken bouillon granules
- 1/2 teaspoon salt, or to taste
- 1 teaspoon ground white or black pepper, or to taste
- 5 tablespoons butter
- 5 tablespoons all-purpose flour
- 2 cups milk

#### Directions:

1. Combine the potatoes, celery, onion, ham and water in a stockpot. Bring to a boil, then cook over medium heat until potatoes are tender, about 10 to 15 minutes. Stir in the chicken bouillon, salt and pepper.
2. In a separate saucepan, melt butter over medium-low heat. Whisk in flour with a fork, and cook, stirring constantly until thick, about 1 minute. Slowly stir in milk as not to allow lumps to form until all of the milk has been added. Continue stirring over medium-low heat until thick, 4 to 5 minutes.
3. Stir the milk mixture into the stockpot, and cook soup until heated through. Serve immediately.

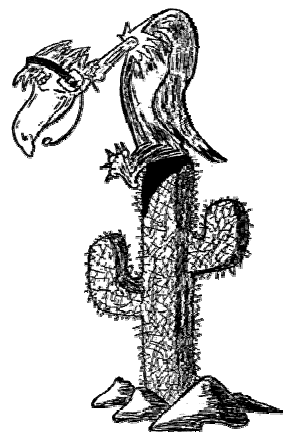
Great meal for these cold nights or if you are working some serious phone DXing and don't want to crunch into the microphone!



# ***2012 ARRL Southwestern Division Convention***

***8<sup>th</sup> Annual***

## ***Yuma Hamfest & Emergency Preparedness Show Yuma, Arizona Feb. 17 & 18, 2012***



Yuma County Fairgrounds  
2520 East 32<sup>nd</sup> Street, Yuma, Arizona

***[www.yumahamfest.org](http://www.yumahamfest.org)***

Check the Website for Additional Information  
and a Current Schedule of Activities and Seminars

Gates Open for Camping Thursday, 2 pm Vendor Setup Friday, 7 am - Noon	Event Hours Friday, Noon - 5 pm Saturday, 8 am - 5 pm	Buzzard BBQ & Grand Prize Drawing Saturday Night 6:00 - 8:00 pm
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**Vendors & Exhibitors  
Consignment Sales  
License Testing  
Hourly Door Prizes  
Incredible Grand Prizes  
Buzzard BBQ Dinner  
Antenna Clinic**

**Tailgating (Swap Meet)  
Full Seminar Schedule  
DXCC Card Checking  
Hospitality Area  
On-site RV Camping  
Transmitter Hunt  
ARRL Speaker**

Hamfest Talk-In Frequency: 146.840 (-) PL 88.5 Hz

Email Contact: ***[info@yumahamfest.org](mailto:info@yumahamfest.org)***

Presented by the Yuma Amateur Radio Hamfest Organization (YARHO)



We are proud to have the Amateur Radio  
Council of Arizona (ARCA) as a sponsor of  
our event.

The Yuma Hamfest is an American Radio  
Relay League (ARRL) sanctioned event.



**PROPOSED MINOR AMENDMENT to OCARC BYLAWS****Proposed by Ken W6HHC**

**Proposed change #1** – document a significant officer duty for TREASURER

ARTICLE VI DUTIES OF OFFICERS – insert a new item 5 in section D, TREASURER

**5. The IRS requires all 501(c)7 Non-profit Corporations to file an online FORM 990-N questionnaire yearly; after the close of the fiscal year and before the following May 15. The treasurer shall go to the [www.IRS.gov](http://www.IRS.gov) internet site and submit a FORM 990-N (e-Postcard) using:  
ID “OCARC EIN number + 02”**

**Proposed change #2** – document a significant officer duty for TREASURER

ARTICLE VI DUTIES OF OFFICERS – insert a new item 6 in section D, TREASURER

**6. The State of California requires all 501(c)7 Non-profit Corporations to file a Statement of Corporation, FORM SI-100, every two years (during even years). The treasurer shall file a FORM SI-100, with an appropriate check for the state fee, before August 01 of even-numbered years.**

**Proposed change #3** – clarify requirements for making amendments

Detailed requirements for amending the BYLAWS should be located in one Article, not scattered.

ARTICLE IV Directors – modify section B, as shown below

**B. The number of Directors of the Corporation shall be ten (10) until changed by an amendment to the Articles of Incorporation and a change to the Bylaws (See Article IX). ~~To reduce the number of Directors to less than ten shall require the written consent or affirmative vote of at least 80% of the members.~~**

ARTICLE IX AMENDMENTS – Label the existing text as a Section A and add a new Section B, as shown below

**A. These bylaws may be amended at a regular club meeting by a two-thirds affirmative vote of the members present provided that the proposed amendment has been presented as a motion and read to the club at two consecutive regular club meetings.**

**B. To reduce the number of Directors to less than ten shall require an amendment obtaining a written consent or affirmative vote of at least 80% of the members.**

## OCARC Board Meeting Minutes

for: October 8, 2011

The OCARC Board meeting was held at the JägerHaus Restaurant, 2525 East Ball Road, Anaheim, and called to order by Paul Gussow W6GMU (President) at 8:14am Saturday, October 8, 2011. Roll was called by Doug Britton W6FKX (Secretary), there were a total of 7 directors and 2 visitors – Nicholas Haban AF6CF, and Marty (apologies for not having complete name, Marty had just passed his Technician license, but no call yet). With 7 directors present at the meeting, a quorum was met.

### DIRECTOR REPORTS:

- Vice President George Jacob N6VNI – present – George reported that he attended the Portables in the Park event. Informed the board that Peter Putnam will be the November general meeting presenter on the Friedrichshafen Hamfest held annually in Germany. George also confirmed with Dan N6PEQ that the club's Christmas party raffle prizes was being coordinated.
- Treasurer Ken Konechy W6HHC – absent, no report.
- Secretary Doug Britton W6FKX – Doug reported that he would miss the October general meeting and thanked Kris in advance for taking the meeting minutes (club auction).
- Activities Kristin Dankert K6PEQ – absent, no report.
- Membership Jeff Hall W6UX – Jeff informed the club of 2 new members; total current club membership at 100.
- Publicity open – Position is open. Doug W6FKX assuming duties until position permanently filled. Club flyers were restocked at HRO. It was suggested that the club's nets be posted at HRO as well.
- Technical Bob Eckweiler AF6C – Bob discussed the apparent disconnect between membership management and processing new and renewing members. Currently 3 individuals are involved with member management; Treasurer (accepting dues, then informing Membership director to update roster), and Technical producing badges and updating roster. Bob asked for ideas on streamlining the process.
- Directors-at-large – Dan Dankert N6PEQ – absent, no report.  
Larry Mallek K6YUI – absent, no report

### OLD BUSINESS:

- **RF Newsletter “Rotating” Editors – thank you to all who volunteer!**
  - October – Kris KC6TOD
  - November – Ken W6HHC
  - December – Bob AF6C
- **2011 Field Day Thoughts plans for next year** – Should the club plan a large field day or not? All directors agreed that firm commitments would be needed if a large field day is planned for 2012.
- **Portables – in – the – park** – Jeff W6UX reported that 3 stations operated during the event, held in conjunction with the California QSO party, handling over 600 QSOs. Wire and vertical antennas were used on the 10, 15, and 20 M bands. Jeff thanked fellow coordinator Tim K6GEP, and Carl N8AE, Ron WB6FRV, and Jay KI6WZU for coming out and helping with station setup and operation.



- **Bob AF6C's Kit-Building Class** – Bob is planning the event for January or February 2012, keeping the kit to approximately \$25, and looking through catalogs for the final kit options. Will keep the club updated via the newsletter as the time approaches.
- **Club Auction** – The club auction will be held during the October general meeting. Chip K7JA and Dan N6PEQ will operate the auction.

## NEW Business

- **November director elections** – Nicholas Haban AF6CF will prepare the list of director nominations and run the election during the November general meeting.
- **New Ideas** – Jeff mentioned again that the mobile drive in “show and tell” be planned for 2012. Other ideas included conducting the portables in the park as a picnic to encourage more members to attend, and the possibility of substituting a Saturday morning breakfast meeting for one of the monthly general meetings. These ideas to be further discussed.
- **Upcoming Club Events** – OCARCs Christmas party will be scheduled for Friday, Dec. 9, at 7pm at the JägerHaus Restaurant. It was decided to budget \$1,000 for the raffle prizes.
- **Board Discussion** – Should the elected office term limits (currently at 2 years) be modified or eliminated? It was pointed out the club's bylaws were only recently changed to allow elected members to serve for 2 years. Discussion ended with directors desiring to leave the term limits as they are. George N6VNI suggested that the club's elections be moved to an earlier date, perhaps August or September. To be discussed next month at the board meeting.

## GOOD OF THE CLUB – no submittal.

Motion made to adjourn meeting by Bob Eckweiler AF6C, seconded by Dan Dankert N6PEQ and unanimously approved.

Meeting adjourned 9:23AM

Respectfully submitted:

*Doug Britton W6FKX*, OCARC Secretary

10/31/2011

**OCARC Cash Flow - YTD**  
1/1/2011 through 10/31/2011

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Category Description	1/1/2011- 10/31/2011
<b>INFLOWS</b>	
ARRL Membership Income	115.00
Auction In	1,140.35
Badge Income	35.00
BADGE MAILING	1.00
Donations - FD	555.00
Dues, Family	307.50
Dues, Future	40.00
Dues, Membership	1,085.00
Interest	2.66
Opportunity Drawing -Monthly	598.32
<b>TOTAL INFLOWS</b>	<b>3,879.83</b>
<b>OUTFLOWS</b>	
ARRL Membership Expense	98.00
Auction Expense	6.45
Auction Payout	323.87
Donations - OC FAIR	100.00
Dues - OCCARO	20.00
Field Day Equipment	432.99
Field Day Food	973.03
Field Day Other	55.32
Field Day Rental - Tent	58.72
Field Day Rental - U-Haul	340.49
Flowers Expense	63.51
Misc.	1.07
Opportunity Drawing - Monthly	938.34
PO Box Rental	42.00
Supplies	28.06
Web Site Hosting	143.88
<b>TOTAL OUTFLOWS</b>	<b>3,625.73</b>
<b>OVERALL TOTAL</b>	<b>254.10</b>

**Bank Balance around \$5,920**