



# RF



ORANGE COUNTY AMATEUR RADIO CLUB, INC.

VOL. LXIII NO. 11

TUSTIN, CA 92781

November 2022

## The Prez Sez... By Nicholas AF6CF



Hello and Greetings to all! November is here, so we are in the Club's Elections month. **Now is the time for all the good people to come to the aid of our institution by participating in its Board of Directors.**

But first, let me report that the **October Auction 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 and his minions who did a fantastic job in a very good time frame.

We have an excellent speaker for the November meeting who will teach us how to charge our batteries and after that we will have the elections for next year's Board of Directors.

This is your chance to help the Club run its daily business by becoming one of the Directors (or even President).

If interested, please contact any Board member or myself to be in the list. 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. The cover price will be announced at the meeting. As usual, I look forward to an eyeball contact with you all at the next General Meeting

73 DE AF6CF



## NEXT GENERAL MEETING IN-PERSON + ZOOM PRESENTATION

**Ham Radio Operations  
Using LiFePO4 Batteries**  
by Kevin Zanjani – KI6HQ  
Bioenno Tech, LLC dba Bioenno Power

**November 18<sup>th</sup>, 2022  
7PM at the  
American Red Cross  
600 Parkcenter Drive  
Santa Ana, CA Room 208\***

## NEW BOARD MEETING Saturday, January 7th, 2023

**SPECIAL NOTICE:**  
**NOTE: No December Board  
or Membership Meetings**  
*\*See above!*

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### Monthly Events

#### Membership Meetings\*

Time: 7:00 PM  
When: 3<sup>rd</sup> Friday of each Month  
Red Cross Orange County, Room 208  
600 N Parkcenter Dr, Santa Ana

#### Board Meetings

First Saturday of each Month  
*Board will handle Club business both IN-PERSON and/or ZOOM.*

#### Club Nets (Listen for W6ZE)

**10M ~ 28.375 MHz SSB**  
Wed- 7:30 PM - 8:30 PM  
Net Control: Corey, KE6YHX

**2M ~ 146.55 MHz Simplex FM**  
Wed- 8:30 PM - 9:00 PM  
Net Control: Corey, KE6YHX

**75M ~ 3.883 MHz LSB**  
Tue @ 8:00 PM  
Net Control: Corey, KE6YHX

#### Other Nets

**Catalina Amateur  
Repeater Association (CARA)**  
147.090 MHz (+0.600 MHz) No PL  
Monday - Friday  
9:00AM & 9:00PM  
Prg. Director. Tom W6ETC  
COME JOIN US

### **OCARC 2022 DUES**

**Membership period is:  
1 January to 31 December**

Individual New or Renewal:	\$30.
Family New or Renewal:	\$45.
Teen New or Renewal:	\$15.

**New Member Dues are prorated quarterly and includes a badge:**  
Additional Badges: <sup>•</sup> \$ 3.  
Use one of our interactive online forms to calculate current prices, join the club and/or order badges:

#### **Online Forms / Dues & Badges**

<sup>•</sup> \$3. plus mailing costs if applicable  
*Dues are subject to change without notice*



# OCARC 2022

Orange County Amateur Radio Club



**COME JOIN US**  
**OCARC MEMBERSHIP MTG**  
**FRIDAY NOVEMBER 18th, 2022**  
**7:00 PM**

*Held at the*

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

by Tom W6ETC

**November 18<sup>th</sup>, 2022 OCARC Membership Presentation**

# **Ham Radio Operations Using LiFePO<sub>4</sub> Batteries**

**by Kevin Zanjani – KI6HQ**



Kevin Zanjani KI6HQ on the Left & Gordon West WB6NOA on the Right

**Kevin Zanjani will be presenting an overview regarding Lithium Iron Phosphate (LiFePO<sub>4</sub>) battery technology for use in ham radio applications.**

Kevin is the Sales Manager for Bioenno Tech, LLC dba Bioenno Power, a Southern California company who has developed a product line that checks all the boxes for outstanding battery performance that ham radio operators everywhere demand.



Bioenno Power batteries offer safe, lightweight, longer life spans, virtually no maintenance with improved discharge and charge efficiencies over conventional, lead acid or other various battery chemistries.

*(Continued on next page)*

*(November Presentation continued)*

Expect an enjoyable evening with fellow ham operators as Kevin will discuss the development, design aspects and advantages of LiFePO<sub>4</sub> type batteries over conventional battery chemistries.

**Important note:** If you're a ham radio operator who operates POTA, SOTA, IOTA or any type of portable operations, or power your rig using any type of 12v dc battery, you'll want to be part of this presentation. A Q&A will also be provided including sample batteries to those in attendance.

**Value:** Ham radio operators have been asking... 'Just what make the chemistry of Lithium Iron Phosphate (LiFePO<sub>4</sub>) batteries so much superior to other options available?' That's a great question and this will be part of the evening's topic of conversation and information.

**Costs:** The author of this article finds that although LiFePO<sub>4</sub> batteries initial costs are higher than most other conventional batteries, when considering factors that include lifespan, charge and discharge rates, built-in battery stability, lighter weight, service life as well as costs, they may actually cost less.

**This is a presentation that you will NOT want to miss!** You can expect Kevin to offer his years of expertise and insight about this type of battery and why it's far superior to most other choices of battery chemistries and why it found it's way to be the top choice for most portable Amateur radio operators.

Most ham radio operators soon discover that LiFePO<sub>4</sub> batteries is a dream come true especially for portable and/or mobile operations.



There will be an engaging show-and-tell of the various Lithium Iron Phosphate (LiFePO<sub>4</sub>) products and related items!

<https://www.bioennopower.com/>

Bioenno Power is local distributor and Kevin continues to attend numerous hamfests and hamventions including the Dayton Hamvention, Palm Springs Hamfest, Visalia DX Convention, Nevada State Convention, and PacificCon among others. Additionally, his products have been featured on HamNation along with articles written in CQ Magazine by Gordon West, WB6NOA.

Hope to see you there. 73, Tom W6ETC

Resources: <https://tinyurl.com/bdhu62h3> Article by Gordon West, WB6NOA

## Ultra-Lightweight, Long Runtime, Batteries

While Lithium Iron Phosphate (LiFePO<sub>4</sub>) battery technology for motor starting applications has been around for a few years, a Southern California company called Bioenno Power now uses it to manufacture portable lightweight battery packs specifically for amateur radio applications (Photo A).

Kevin Zanjani, KI6DHQ, with Bioenno Power, has been making the ham radio club rounds, as well as conventions, demonstrating the advantages of Lithium Iron Phosphate battery systems, specifically for ham radio ham portable and/or emergency portable or emergency backup battery operations. "Our Lithium Iron Phosphate batteries are inherently safer than Lithium Ion. Lithium Iron Phosphate batteries will not explode, will not give off gas, and offer 2,000 charge cycles versus 300 charge cycles for the sealed lead acid batteries," states Zanjani.

The Bioenno Power deep cycle LiFePO<sub>4</sub> batteries are rated at true capacity, allowing the user to extract more than 90% of the actual rating listed on battery.

*\*CQ Contributing Editor,  
2414 College Dr., Costa Mesa, CA 92626  
e-mail: <wb6noa@cq-amaeur-radio.com>*

Other manufacturers may rate their battery capacity as "lead-acid equivalent," intended solely for short bursts of current to start a motorcycle engine. The deep cycle Bioenno Power batteries provide a much larger number of cells to achieve the capacity required to power ham radio equipment and other electronics.

We tested this extraordinary lightweight battery, rated at 12 volts at 15 amp hours. It easily ran a 100-watt HF transceiver for many hours. For the Elecraft KX3, either a 6 amp-hour or 9 amp-hour Bioenno Power battery will work very well.

"I did some testing using my 100-watt Elecraft and the 12 volt/12 amp-hour battery, and did a fair amount of transmitting for over four hours," comments Tracy Lenocker, WA6ERA.

"The voltage held up fine on transmit. I also tested the deep-cycle Bioenno batteries with an MFJ voltage conditioner but the conditioner was not needed. I plan to purchase some of Bioenno's super-ultra capacitors to build something like the MFJ unit. Ultra-lightweight, these batteries weigh only a quarter as much as the lead-acid type of battery. Best of all, this new technology is perfect for hiking and operating portable in the national parks and everywhere else," comments Tracy.



Photo A. Bioenno batteries include Lithium Iron Phosphate (LiFePO<sub>4</sub>) models that provide high current and high reliability with low weight.

Continued from page 7 – Ultra-Lightweight, Long Runtime, Batteries

The Lithium Iron Phosphate technology can also take a fast recharge of up to half the battery capacity ampere rating. This technology is also TSA approved, allowing you to place two batteries in carry-on luggage, totaling up to 160 watt-hours.

Each 12-volt Lithium Iron Phosphate unit from Bioenno Power also includes the company's proprietary protection circuit module (PCM), encapsulated within the battery pack (*Photo B*). This module guards against short circuits, over-voltage, and over-current charge or discharge. This module works so well that, with my experimenting with the Bioenno Power portable solar panel, the panel intentionally tripped the circuit. An unconnected solar panel normally puts out between 18 and 20 volts, until loaded down by a connected battery. The PCM instantly took the batteries out of circuit, sensing too high voltage on the input. As soon as I switched over to the optional solar controller, all was well.

For 100-watt high frequency ham radio applications, the 12-volt/12 Ah or

For 100-watt high frequency ham radio applications, the 12-volt/12 Ah or 12-volt/15 Ah works great, and Bioenno bundles an AC to DC charger with these packages. If you want to stay on the mountaintop all day with 100 watts, bring along the Bioenno folding flexible solar panel, and go with the 12-volt/20 Ah battery and the regulator.

The nominal individual cell voltage is 3.2 volts DC, but it is charged at 3.65 volts DC per cell, or 14.6 volts DC for the entire pack. The pack will rest around 13.2 volts DC. We yakked on HF for several hours before we needed a recharge. For those exploring freezing weather, this technology operates at temperatures down to 14° F, great for ice-fishing applications in winter.

Finally, we are assured these batteries won't catch fire, like what we saw in the news from overseas products with the reported fake UL listing sticker!

To see all of the other neat products from this ham radio friendly company, go to <[www.BioennoPower.com](http://www.BioennoPower.com)>.



120 Watt Foldable Solar Panel for Charging Power Packs + Free Padded Case (BSP-120)

**Catalina**  
Amateur Repeater Association  
**COME JOIN US**

9 AM & 9 PM Monday – Friday on CARA Repeaters:  
2M: 147.090 MHz (+0.600 MHz) No PL and  
1.25M: 224.420 MHz (-1.600 MHz) PL 110.9 repeaters.  
Also available on EchoLink node \*CATALINA\*

**Net@9 Amateur Radio Wellness & Support Net**



**Date:** Friday December 9th, 2022 at 6:00PM

**What:** OCARC 2022 Christmas Dinner Tickets

**Where:** Mimi's Café, 17231 17th St., Tustin, CA 92780

Phone: (714) 544-5522

**Cost:** \$25.00 per person

**Choose from 3 Methods for Payment:**

**1) You may PAY at the Christmas Event:** If you choose this method of payment, please RSVP your seats by Monday night, December 5th --- by email to [w6hhc@w6ze.org](mailto:w6hhc@w6ze.org) and **BRING CASH** to the event.

**2) You may MAIL a check or money order:** If you choose this method of payment, please RSVP your seats by email to [w6hhc@w6ze.org](mailto:w6hhc@w6ze.org) with the number of requested seats and send a check or money order to:

**OCARC, PO Box 3454, Tustin CA 92781**

*(Please DO NOT SEND CASH through the mail)*

**3) You may PAY with PayPal:**

**P** If you choose this method of payment COPY to the prescribed link below. Once you have logged into the link select the proper quantity of dinners may you want to pay for from the PayPal pull-down menu.



Dinner ticket prices are \$25.00 per each person. Next **SELECT** the button to be taken to complete the PayPal payment.

Regarding **TIPS**: The price of the dinner already includes a prescribed tip and PayPal fees are also included. The Link for PayPal payment is:

**<https://www.w6ze.org/XMAS/Christmas-Paypal.html>**



# OCARC Holiday Party!

## Friday, December 9<sup>th</sup>

**Come and celebrate the Holiday season with OCARC members & operators.**

Social hour begins at 6:00 pm and Dinner is served at 7:00pm.

Dinner prices are: \$25.00 per person (Tax and Tip is included).

This LOW Price includes the meal and the dessert choices as indicated on next page.

**Note:** You do not need to make your meal selection until the evening of the event, but **you must reserve your place** and **let us know in advance by Monday evening December 5<sup>th</sup>**. Seating is limited.

For the most current information check the club website [www.w6ze.org](http://www.w6ze.org)

Total Prize Drawings include \$750 in gift certificates and other prizes.

\$1 each drawing ticket or \$5 for 6 tickets. One free ticket will be given to each attendee.

- **Grand Prize: Transceiver, Icom IC 7000** (*previously owned*)
- **Second Prize: Antenna Tuner**
- **Third Prize: \$100 HRO Gift Certificate**
- **Fourth - Seventh Prizes: \$50 Each HRO Gift Certificates**



**Mark the date on your calendar!**  
**Friday Night, December 9<sup>th</sup>**  
 Gather at 6:00 pm. Diner served at 7:00 pm.  
**Location:**  
**Mimi's Café**  
 17231 E. 17<sup>th</sup> Street, Tustin, CA 92780  
 (Tustin exit)

Restaurant is located on the North side of 17<sup>th</sup> Street and right alongside to the freeway.

**IT'S EASY: To RESERVE and PREPAY your spot by going to PayPal via the link below:**

**<https://www.w6ze.org/XMAS/Christmas-Paypal.html>**

*This step is important as it will reserve a place for you and your party.*

\* You may also **RSVP** to purchase your tickets no later than 12/05/2022. Then please e-mail the "Treasurer" at [W6HHC@w6ze.org](mailto:W6HHC@w6ze.org) to arrange or confirm your payment for your Holiday Dinner Party tickets (based on prior arrangements paid at the dinner).

\*This is a "binding-RSVP"

Remember also to bring your spouse and friends!

Location Map: <https://www.google.com/maps/place/17231+17th+St,+Tustin,+CA+92780>



The **\$25 SPECIAL PRICE CHRISTMAS PARTY MENU** includes choice of...

**Soup or Salad - Entrée - Coffee, Tea, or Soda**  
*Tax, a modest tip, and any PayPal fees are included.*

### **CHOOSE FROM THE FOLLOWING**

*Soup or Salad (select one)*

Served **with House Salad** (190 cal) or **Caesar Salad** (220 cal)  
 Or your choice of a **Cup of Soup** (220 – 240 cal)

*Main course (select one) and sides*

#### **Grilled Strip Steak**

28-day aged 10 oz USDA Choice New York Strip  
 House-made herbs de Provence butter (100 cal) available upon request  
 Served with mashed potatoes and broccoli (990 cal)

or **Grilled Atlantic Salmon**

Grilled to perfection. Served with mashed potatoes and broccoli (510 cal)

or **French Pot Roast**

A Classique! Slowly braised and simmered with carrots, celery, and onions.  
 Served on a bed of mashed potatoes (510 cal)

or **Tuscan Style Grilled Chicken**

Grilled chicken, mashed potatoes, sautéed vegetables and artichoke hearts  
 Served in a savory sauce (610 cal)

### **Dessert (\$5 additional charge)**

*(Select one)*

#### **Molten Lava Cake**

Hot molten cake served with a scoop of vanilla ice cream and garnished  
 With a drizzle of chocolate and a fresh strawberry (510 cal)

or **Bread Pudding**

Made from scratch bread pudding with raisins  
 Topped with whiskey sauce and whipped cream (1060 cal)

Source: Mimi's Café Bistro + Bakery / Tustin ~ all Rights reserved



## NOVEMBER

- **\*ARRL Sweepstakes CW:** 2100 UTC Saturday Nov.5 through 0300 UTC Monday Nov. 6.
- **WAE DX Contest, RTTY:** 0001 UTC Saturday Nov. 11 through 2359 UTC Sunday Nov. 12.
- **10-10 Fall Contest, Digital:** 0001 UTC Saturday Nov. 11 through 2359 UTC Sunday Nov. 11.
- **Run for the Bacon QRP Contest, CW:** 0200 - 0400 UTC Sunday Nov. 20
- **\*ARRL Sweepstakes SSB:** 2100 UTC Saturday Nov. 18 through 0300 UTC Monday Nov. 20.
- **\*CQ World Wide DX / CW:** 0000 UTC Saturday Nov. 25 through 2400 UTC Monday Nov. 26.

## DECEMBER

- **\*ARRL 160 Meter Contest:** 2200 UTC Friday Dec. 2 through 1600 UTC Sunday Dec. 3.
- **FT Roundup, FT8/FT4:** 1800 UTC Saturday Dec. 2 through 2359 UTC Sunday Dec. 3.
- **ARS Spartan Sprint:** 0200 UTC through 0400 UTC Tuesday Dec. 5.
- **\*ARRL 10 Meter Contest:** 0000 UTC Saturday Dec. 9 through 2359 UTC Sunday Dec. 10.
- **QRP ARCI Holiday Sprints Homebrew Sprint/CW:** 2000 UTC through 2300 UTC Sunday Dec. 10.
- **4 States QRP Group Second Sunday Sprint:** 0100 UTC through 0300 UTC Sunday Dec. 11.
- **RAC Canada Winter Contest:** 0000 UTC through 2359 UTC Saturday Dec.30.  
\* Indicates club entries are accepted  
\*\* Indicates team entries are accepted

## Repeating Activities:

- **Phone Fray:** Every Tuesday night at 0230Z to 0300Z.
- **CWops Mini-CWT:** Every Wednesday at 1300 to 1400 UTC, 1900-2000 UTC and Thursday 0300-0400 UTC.
- **SKCC:** Weekend Sprintathon (Straight Key CW) on the first weekend of the month after the 6<sup>TH</sup> of the month. 1200 Sat. to 2359Z Sunday.
- **SKCC:** Sprint (Straight Key CW) 0000Z to 0200Z on the 4<sup>th</sup> Tuesday night (USA) of the month.
- **K1USN Slow Speed Test:** (CW, 20WPM Max.) Every Friday 2000 UTC to 2100 UTC Every Sunday night at 0000 UTC to 0100 UTC Monday

## OCARC Club Nets:

- **75 Meter Net:** Every Tuesday night at 8:00 pm to 8:30 pm Local Time. SSB 3.883 MHz
- **10 Meter Net:** Every Wednesday night at 7:30 pm to 8:30 pm Local Time. SSB 28.375 MHz
- **2 Meter Net:** Every Wednesday night at 8:30 pm to 9:30 pm Local Time. FM Simplex 146.55 MHz

## Other Nets:

- **Net-AT-9** Wellness & Support  
**Catalina Amateur Repeater Association**  
Monday thru Friday 9:00 am – 10:30 am & 9:00 pm – 10:30 pm Local Time  
2m: 147.090 MHz (+600 MHz) No PL  
224.420 MHz (-1.600 MHz) PL 110.9  
EchoLink: \*CATALINA\*  
Allstar Node: 51597

Send an email to Ron W6WG, [w6wg@w6ze.org](mailto:w6wg@w6ze.org) to have your favorite activity or your recent RadioActivity listed in next month's column.

## Nine OCARC Members Competed Well in the California QSO Party

by Tim Goepfinger N6GP



Conditions were better for the California QSO party this year than they have been for years.

With the solar flux elevated, 15 meters was the most productive band for most of us.

This annual event, held on October 1<sup>st</sup> and 2<sup>nd</sup> this year is one where California stations try to get as many US States and Canadian Provinces as possible, and everyone else tries to get as many California Counties as possible.

This is the one weekend a year where people point their antennas towards California wanting to work us! There were 1155 logs submitted for this contest. When compared to previous years during the COVID Pandemic it is somewhat less.

As a club, OCARC is totaling our 8 logs below to compete in the Club Competition. We are in the Redwood Club Category that is for clubs entering with 6 to 10 logs. There is a chance that we can win a \$100 gift card to use for a club activity. We will see. If we use 2021 as a guide, we should hear results in February. In any case, we appreciate the work that the Northern California Contest Club in putting on this fun event every year.

### Preliminary Score Summary:

	80 PH	80 CW	40 PH	40 CW	20 PH	20 CW	15 PH	15 CW	10 PH	10 CW	MULTS	SCORE
AA6PW	7	103	119	219	150	287	188	372	105	162	58	264,886
AF6N				36		5		46		16	33	10,197
K6PGH												
K7JA/6				6		262	88	189	140	183	58	154,280
N6GP	23	77	39	126	4	227	175	213	73	158	56	169,736
N6HC			15	25	116	232	115	245	115	245	56	147,560
N6OKU					348		281		179		57	92,112
W6WG		2		135	13	228	117	99	15		56	94,192
<b>TOTALS</b>	<b>30</b>	<b>182</b>	<b>173</b>	<b>547</b>	<b>631</b>	<b>1241</b>	<b>964</b>	<b>1164</b>	<b>627</b>	<b>764</b>		<b>840,943</b>

Note: W6WG was a multi op station remotely operated by W6WG and KA9FRH

### Comments:

“Although I'm not a regular contester (nor a very good one), I really enjoyed the CA QSO Party. I recommend our members to join in the coming years. We get to be the "desired" CA QSO for a weekend. It's fun to be the hunted instead of the hunter for a change.” - **Jim AF6N**

“Only a part time effort this year, with no low band antennas deployed, but glad to help the Club score slightly.”

– Chip K7JA

“I guess I was in a masochistic mood when I decided to operate this contest at low power, mixed mode and unassisted. I put the Alpha 87A amplifier on the shelf and fired up the transceiver. My goal was to make 100K points with limited operation time (12.75 hours) basically, utilizing only three bands (10/15/20 meters) and to help the local club (Orange County Amateur Radio Club) in the club competition category.

Without telnet, I missed the North Dakota and Northwest Territory multipliers. I did almost no S & P. Twenty meters was supposed to be my "money" band but 15 meters turned out to be slightly more productive. I was disappointed that 10 meters wasn't more active, especially on SSB. I was surprised at the high level of DX interest in CQP.” **-Arnie, N6HC**

“My previous personal best was 940 Qs in 2014, and I was out to beat it. Conditions were near optimal, and allowed me to break my personal record. I could not get anything going on 20 SSB due to a 5:1 SWR. Even with a tuner and 100W, I could not get a run going.

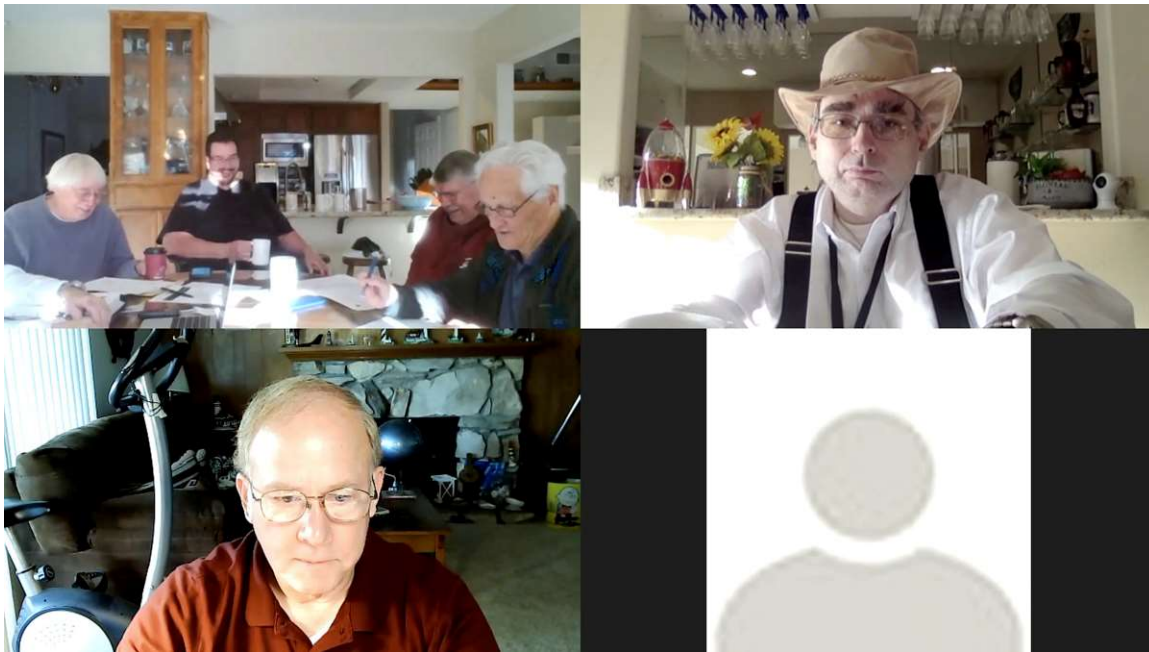
My amp doesn't work well on 10m because I think a slug needs tuning. I discovered my erratic 80m dipole was working during CQ WW RTTY, and it also worked well for CQP. Also have rotor problems which really isn't a problem for CQP with it parked at 60 degrees. It was fun to have my software post to the scoreboard and watch it during the contest. I found it very motivating!” **-Tim N6GP**



Above: See 'Minutes' on page 18

**OCARC BOARD MEETING  
MINUTES  
2022-11-05**

The eleventh Board Meeting of the year was in-person, on Saturday, November 5, 2022, at Tom W6ETC's QTH in Tustin, with Zoom for those who cannot attend. The meeting was called to order by club president, Nicholas Haban AF6CF at 8:18 AM PDT. Nine (9) directors were present for a quorum, including two (2) who attended by Zoom. Our technical chairman was absent. We had one visitor in-person, Jim KB6TKA. Twenty-one (21) topics were brought to the board this morning, including six (6) Director Reports and fifteen (15) agenda items. One (1) motion was carried, adjournment.



**Fig 1 – Nine (9) Board Directors were present.  
Two (2) directors attended by Zoom, and one guest in-person.**

### Director Reports

Our club president Nicholas AF6CF calls for director reports.

#### -President:

Nicholas AF6CF reports he will not be at the Christmas Party due to a prior engagement.

#### -Secretary:

-Corey KE6YHX reports on a letter received asking the Club to advertise an Icom R75 Communications Receiver. He is not a member or a licensed ham radio operator, so posting it on our web site is not an option. The Board agrees an email to the membership would be better.

-Corey requests pictures of the Auction for the Minutes. Two Board Members have pictures.

#### -Treasurer:

Ken W6HHC reports the Cash Flow Report was sent out. The Club Auction netted \$1,645.65, the highest on record for the Auction. Our income since the beginning of the year totals \$5,965. We have outflows totaling \$3,036, for a net increase of about \$2,928. [See page 20].

-Tim M. N6TMT asks how much funds we should keep in the PayPal account. Ken recommends keeping \$500 in the PayPal account for regular payments.

-Tom W6ETC asks about the tax-reporting limit. Ken says the tax threshold is \$50,000.

-Corey KE6YHX reminds us of the importance of checking our P.O. Box in December.

#### **-Activities:**

Ron W6WG reminds us Winter Field Day is coming in January. He says it is in the works, and he will lead the effort. Tim G. N6GP has started tent arrangements.

#### **-Publicity:**

Tom W6ETC has agreed to be Managing Editor until the end of the year. Corey informally accepts the position for 2023.

**-Membership:** Bob AF6C reports the membership is at 111.

### **Old Business**

#### **•Newsletter Editors**

November: Steve N1BKB  
 December: Dan KI6X  
 January: Tim M. N6TMT  
 February: Tim G. N6GP  
 March: —open to volunteers—

#### **•General Meeting Programs**

November: Kevin Zanjani KI6DHQ presents “Bioenno Power LiFePO<sub>4</sub> Batteries”  
 December: Christmas Party at Mimi’s Cafe in Tustin on Friday, December 9<sup>th</sup>  
 January: --to be determined--

#### **•Christmas Party Progress Report**

Ron W6WG reports on the Christmas Party reserved for Friday, December 9<sup>th</sup>, at Mimi’s Cafe in Tustin. We now have the correct menus, and the \$33 menu is chosen. Dinner reservations will be \$25, and the Club will absorb the difference. An article needs to be written for the November RF Newsletter. One of our member donations is a suitable opportunity-drawing prize. The Icom IC-7000 is chosen. An Ameritron ATR-30 Antenna Tuner is also considered. Ron will buy the HRO Gift Certificates and some other prizes for the opportunity drawing and guests. Ken has the coding instructions for changing PayPal for the Web Masters, but no changes are planned.

#### **•October Annual Auction**

Nicholas AF6CF announces we had a very good auction. Some members and non-members said they enjoyed it and had fun. We had no complaints and did a very good job.

#### **•Election Nominations Committee Report**

Nicholas AF6CF reports we had no progress in finding the remaining positions. He turns to the current Board Members as nominations.

Chairmen:

-Nicholas AF6CF

-Tim M. N6TMT

-Bob AF6C

**-Current Board Nominations (as of 11/15/2022):**

<b>President:</b>	<b>--open to nominations--</b>
<b>Vice President:</b>	<b>--open to nominations--</b>
<b>Secretary:</b>	<b>Tim M. N6TMT</b>
<b>Treasurer:</b>	<b>--open to nominations--</b>
<b>Activities Chairman:</b>	<b>--open to nominations--</b>
<b>Publicity Chairman:</b>	<b>Ron W6WG</b>
<b>Technical Chairman:</b>	<b>Bob AF6C</b>
<b>Membership Chairman:</b>	<b>Corey KE6YHX</b>
<b>Director-at-Large 1:</b>	<b>Nicholas AF6CF</b>
<b>Director-at-Large 2:</b>	<b>Tim G. N6GP</b>

**•Disposal of Leftover Donations**

Tim M. N6TMT has some non-functioning equipment to be disposed of. Disposal options were discussed, such as Silicon Salvage in Orange.

**New Business****•November Opportunity Drawing**

Ron W6WG will go to HRO for two (2) \$25 Gift Certificates.

**•Good of the Club Award**

The procedure for recommendation, nomination and selection is clarified. Each Board member may make more than one recommendation. Some options are discussed and the selection is secret until the Christmas Party.

**•Audit Committee Appointment**

-Ken W6HHC Treasurer to be present

1. Ron W6WG
2. Steve N1BKB
3. Dan KI6X

**•Honorary Members for 2023**

-The 2023 Honorary Members are decided:

1. Atlee Hitchcock N2CNC
2. Jerry VerDuft AD0A (Lifetime Honorary Member)



-A two-thirds (2/3) affirmative vote must be taken at the November Business Meeting.

**•Christmas Party Prizes & Menu**

-The \$33 Menu including dessert is decided on, and the price for the attendees is \$25.

-We have a prize budget of \$750, decided at the September Board Meeting.

-There are several donations and purchased items that can be used as prizes, including:

1. Icom IC-7000
2. Ameritron ATR-30 3kW Antenna Tuner
3. Receive Loop Antenna
4. Two (2) \$25 HRO Gift Certificates
5. President's Mystery Box
6. Plus More!



The board determine that there will be no presentation scheduled for the OCARC Christmas Party. Additionally, the RSVP due date for the Christmas Party has been set for Monday, December 5<sup>th</sup>.

•**November “Acting Treasurer”**

Tim G. N6GP agrees to be the November “Acting Treasurer.”

•**Zoom Account for 2023**

Our Treasurer Ken W6HHC writes a check for Tim M. N6TMT to pay for our next-year’s Zoom account.

•**No December Board Meeting**

-There will be no December Board Meeting.

-The transition team must decide on the January Board Meeting location between the November General Meeting and the January Meeting.

**Good of the Club**

•**From Radio to Rockets**

Bob, AF6C is making arrangements for a meeting presentation next year: “From Radio to Rockets” or “Common Communication Link Issues between Ham Radio and Telemetry for Ships, Aircraft and Exoatmospheric Space Vehicles” by Mark, KD6NOT.

**Ask The Elmer**

There are no items for Ask The Elmer.

**Adjournment**

A motion to adjourn is made, seconded, and carried at 10:07 AM PDT.

--Respectfully submitted by Corey KE6YHX, OCARC Secretary



Your OCARC Board of Directors at work Saturday 11/05/2022 at Tom’s W6ETC QTH

*Left to Right:* Corey KE6YHX; Tim N6GP (*Far Corner*); Ron W6WG

*Center/Rear:* Jim KB6TKA

*(Left to Right from Jim)* - Tom W6ETC; Ken W6HHC; Nicholas AF6CF; Tim N6TMT

Other Board Members on Zoom (*see page 16*)

## OCARC AUCTION MINUTES 2022-10-21

The tenth regular meeting of the year, and the fifth in-person regular meeting since the pandemic, was the OCARC Auction on Friday, October 21, 2022, at the American Red Cross in Santa Ana. Flyers were distributed at the TRW Swap Meet and HRO. The meeting was called-to-order by Nicholas Haban AF6CF at 7:06 PM PDT. We had thirty-five (35) check-ins, including our auctioneer, Chip Margelli K7JA. Nicholas AF6CF introduces ARRL Section Manager Bob Turner W6RHK. Mr. Turner graciously presents the Club with our ARRL Special Service Club Certificate (it expires on October 4, 2024).



**Above:** ARRL Section Manager Bob Turner W6RHK (*middle*) presenting Nicholas AF6CF (*left*) with the ARRL Special Service Club Award. Ron W6WG (*on the right against wall*).  
**Below:** Image of the ARRL Special Service Club Award.



Dan Violette KI6X reads the Auction Rules.

**Auctioneer:** Chip Margelli K7JA

Auctioneer Helpers:

- |                         |                      |
|-------------------------|----------------------|
| 1) Nicholas Haban AF6CF | 4) Dan Violette KI6X |
| 2) Ron Mudry W6WG       | 5) Tim Millard N6TMT |
| 3) Bob Eckweiler AF6C   |                      |

**Treasurer:** Ken Konechy W6HHC

Treasurer Helper: Corey Miller KE6YHX

Please forgive me if there is anyone I forgot.

Chip K7JA calls for a close to the Auction at 10:00 PM PDT.

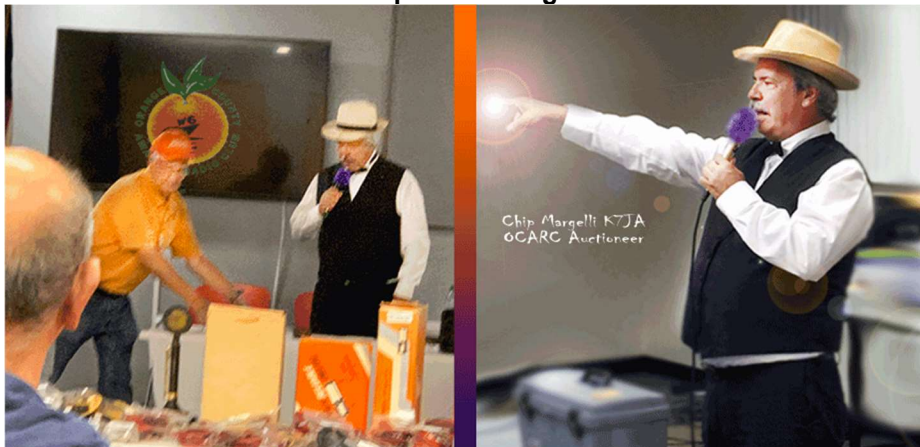
We had very favorable comments from the members and guests. The Club had auction inflows of \$1,971.85, and outflows of \$325.35, for a record-setting profit of \$1,646.50!

--Respectfully submitted by Corey KE6YHX OCARC Secretary



Above – Auctioneer Chip Margelli K7JA (Left) and auctioneer helper Nicholas Haban AF6CF (Right) For the three-hour auction.

Below – Left: Nicholas AF6CF and Chip K7JA – Right: Nicholas AF6CF and Bob W6RHK





**WHEN ALL ELSE FAILS...**

**RUN & HIDE**

**JUST KIDDING...**

**AMATEUR RADIO  
WORKS**



## Cash Flow - Year to Date

1/1/2022 through 10/29/2022

Category	1/1/2022- 10/29/2022
<b>INFLOWS</b>	
Auction In	1,971.85
Badge Income	3.00
Donations - FD Food	724.00
Dues, Family (PayPal)	186.06
Dues, Membership	360.00
Dues, Membership (PayPal)	2,339.96
Dues, Membership (PayPal) 2023	128.32
Dues, Membership 2023	65.00
Equip Sales	100.00
Opportunity Drawing -Monthly	87.00
<b>TOTAL INFLOWS</b>	<b>5,965.19</b>
<b>OUTFLOWS</b>	
Auction Payout	325.35
Christmas Party- Deposit	300.00
Field Day - Propane	73.22
Field Day Equipment	20.00
Field Day Food	758.05
Field Day Rental - Tent	500.00
Opportunity Drwng Expenses	117.46
PO Box Rental	156.00
Publicity	37.64
Refreshments Expense	28.98
Storage of Equipment - Ann Millard	250.00
Web Site Hosting	161.95
Web Site SSL Fee	69.99
WFD	26.68
WFD - Food	17.90
WFD - Propane	43.06
WFD Rental - Tent	150.00
<b>TOTAL OUTFLOWS</b>	<b>3,036.28</b>
<b>OVERALL TOTAL</b>	<b>2,928.91</b>
<b>Financial Assets</b>	
WF Checking	\$8,561.59
PayPal	\$821.88
Cashbox	\$0

## Ham Radio's Best Advertisement Ever!

A note for W6CF by Bart Lee, K6VK

"Here's a Message from Milwaukee," she says –



The California Historical Radio Society (CHRS) at KRE had a framed Schlitz beer ad from 1952 on its museum walls, and now has an original in the W6CG ham shack.

It wasn't the beer, it was the scene – a 1950s wife bringing a cold beer into an amateur radio operator husband's radio shack, so her can start the evening on the radio right.

This is widely regarded as a classic ham radio scene. The wife almost looks like a stewardess, but that's just the fashion of the day.

The ham sits at the controls of RME receiver with a National NC-170 next to it. He's still wearing his necktie. He's got a callbook nearby and QSL cards on the wall – some DX too. A logbook awaits his first entry of the evening.

His call is W3H [something]. His console is impressive, almost phantasmagorical.

The text reads: "'Here's the Message from Milwaukee' This thoughtful wife knows the moment her husband tunes in on Schlitz the reception is good.

For Schlitz has a very special taste that beer lovers are changing to with ultra-high frequency ...." Maybe Falter wrote the copy too.

John Philip Falter painted this scene for Schlitz. No one has been able to find out if he was a ham. He certainly has a good artistic sense of the hear. Some comment chalks the subservient wife up to sexism, but again, it's just fashion of the day. Falter did a stunning WAVES recruiting poster that absolves him of any such (retrospective) commercial sins.

-- de K6VK

*73 es gud DX Everyone*

– sk –