



RF

NEWSLETTER

ORANGE COUNTY AMATEUR RADIO CLUB, INC.



VOL. LXIII NO. 12

TUSTIN, CA 92781

December 2022

The Prez Sez...

by Nicholas Haban AF6CF



We are finally in the last month of the year and there are big changes in the OCARC for 2023!

We will have a brand-new President, Vice President, and new positions all over the Board of Directors. I'm extremely happy to have two celebrities as Pres and VP and there is no doubt in my mind that they will do a spectacular job steering the Club to new heights. I shall stay as a board member to be their minion and counselor. In spite of the COVID situation, what we did in the last year as a Club is outstanding. We had both winter and summer Field Day events, again dominating the score tables overall. My goal when I became the President the first time was to

place the West Coast back in the map as a serious contender for Field Day, and I feel that we have accomplished that goal. Again, there is no doubt in my mind that we will hold our standing in the years to come. We had during the year a great many speakers and a fantastic auction.

This is the month to celebrate and party. With over a thousand dollars in door prizes, our Club this year came back with a thunder to celebrate the long awaited "return to full normal". The party was a **GREAT event** and those who helped make it happen did an excellent job.

Congratulations to Gene KJ6OML and wife June for winning a well-deserved Good of the Club Award. Too bad Gene was not well enough for them to attend. Many thanks to Ron W6WG who led the group of "prize buyers" and to Tim N6GP acting as the MC and leading the activities in absence of the President (Me, on medical leave). Many thanks too to those companies and individuals who donated prizes to make sure that almost every-

(Continued on Page 10)

NEXT GENERAL MEETING

IN-PERSON + ZOOM PRESENTATION

Speaker:

Bob Turner W6RHK

ARRL Orange Section Mgr., SEC

EMERGENCY COMMUNICATIONS

(aka EmComm)

January 20th, 2023 @ 7PM

American Red Cross

**600 Parkcenter Drive
Santa Ana, CA Room 208**

NEXT BOARD MEETING

Saturday, January 7th, 2023

08:15 Hrs., Location TBD

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2022 Board of Directors

President

Nicholas Haban, AF6CF
(714) 693-9778
af6cf@w6ze.org

Vice President

Tim Goeppinger, N6GP
(714) 730-0395
n6gp@w6ze.org

Secretary

Corey Miller, KE6YHX
(714) 322-0395
ke6yhx@w6ze.org

Treasurer

Ken Konechy, W6HHC
(714) 348-1636
w6hhc@w6ze.org

Membership

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

Activities

Ron Mudry, W6WG
(714) 840-3613
w6wg@w6ze.org

Publicity

Tom Cowart, W6ETC
(714) 454-0571
w6etc@w6ze.org

Technical

Steve Belasco, N1BKB
n1bkb@w6ze.org

Director-at-Large #1

Dan Violette, KI6X
(714) 637- 4632
ki6x@w6ze.org

Director-at-Large #2

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

2022 Club Appointments

W6ZE Club License Trustee

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

Club Historian

Corey Miller, KE6YHX
(714) 639-5475
ke6yhx@w6ze.org

RF Managing Editor

Tom Cowart, W6ETC
(714) 454-0571
w6etc@w6ze.org

RF Editor for December 2022

Dan Violette, KI6X
(714) 637- 4632
ki6x@w6ze.org

Webmaster

Dan Violette, KI6X
(714) 637- 4632
ki6x@w6ze.org

Web Main Programmer

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

Assistant Web Maintenance

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



Monthly Events

Membership Meetings

Time: 7:00 PM
When: 3rd 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 2023 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: \$ 3.
Use one of our interactive online forms to calculate current prices, join the club and/or order badges:

Online Forms / Dues & Badges

\$3. plus mailing costs if applicable
Dues are subject to change without notice



OCARC 2023

Orange County Amateur Radio Club



CONSIDER JOINING US
FRIDAY JANUARY 20th, 2023
7:00 PM

Held at the

American Red Cross



600 Parkcenter Drive
Santa Ana, CA
Second Floor Rm #208

by Tom W6ETC



“2023 Winter Field Day”



MARK YOUR CALENDAR & JOIN OUR TEAM OF OPERATORS

January 28th and 29th 2023

(Contest period Saturday 1900 UTC to Sunday 1900 UTC)

Come join the OCARC team for [2023 WINTER FIELD DAY](#). We need everyone to turnout to continue our winning streak and become the highest scoring club for 5 years running. Be sure to enter “Orange County ARC-CA” as your club in your Cabrillo Log submittal. If needed, help will be provided for your log submittal.

The event will be held at the Ocean View School District site located at 17200 Pinehurst Lane in Huntington Beach. The rules can be downloaded from <https://www.winterfieldday.com>

Bands: 160m, 80m, 40m, 20m, 15m, 10m, 6m, 2m plus UHF and VHF

Modes: SSB, CW, and Digital. A single Satellite contact is worth 1500 bonus points. See the rules for additional Bonus Points.

Points are 1 for phone QSOs and 2 for CW & digital QSOs. Multipliers are one for each band/mode contact.

If you will be **operating from home**, please add “Orange County ARC-CA” as your club in your log submittal. Your scores will also be added to our total club score.

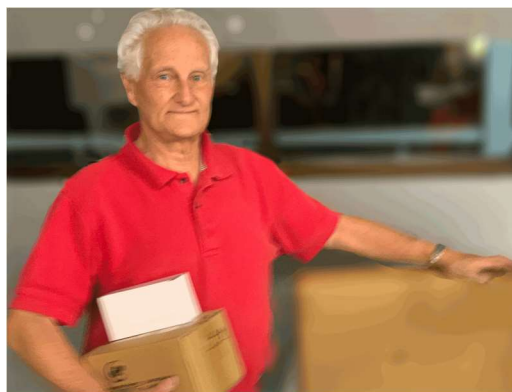
If you are interested and need more information contact Ron W6WG by email, W6WG@W6ZE.ORG

Presentation Highlights Using LiFePO4 Batteries for Ham Radio Operations

**As Presented by Kevin Zanjani – KI6DHQ
to the OCARC General Membership
November 18th, 2022**



**Kevin Zanjani KI6DHQ on the Left &
OCARC President Nicholas Haban AF6CF on the Right having some fun!**



Kevin KI6DHQ (left); Prize Winners: Nicholas AF6CF (center); Joseph KM6SVV (right)



Kevin Zanjani, Sales Manager for Bioenno Tech, LLC dba Bioenno Power (<https://www.bioennopower.com>), made a presentation at our November 18th OCARC General Membership meeting about the latest

developments of, and applications for use by Amateur Radio enthusiasts of Lithium Iron Phosphate (LiFePO₄) battery technology.

It was an evening filled with information, laughter, and a robust Q&A following Kevin's presentation. "I had a few but what is astonishing about the LiFePO₄ batteries from Bioenno Power is their small size, light weight, and their consistent, long-term performance, compared to lead-acid batteries", says Tom W6ETC. Many ham operators like Nicholas, AF6CF below have incorporated the Bioenno Power LiFePO₄ into a portable power station capable of delivering 12V DC power for extended periods of time.



Images by Tom W6ETC

Above: Nicholas AF6CF built his own Battery Box which includes a 40 AH Bioenno Power LiFePO₄ Battery; 10 AH 120 VAC Charger; 300W Pure Sine Wave Inverter; 12V Voltmeter; 120V AC Voltmeter; Temperature indicator; various PowerPole connectors; 12V Cigarette lighter Socket; and 2 USB chargers! Well done, Nicholas.

Highlights of the PowerPoint Presentation

by Kevin Zanjani, Sales Manager for Bioenno Power to the OCARC Membership 11/18/2022

What is The Meaning LiFePO₄?

- ▶ Also known as "LFP", "Lithium Iron Phosphate", "Lithium Ferrous Phosphate", "LIFE-PO", "LiFe"
- ▶ State-of-the-art battery chemistry
- ▶ State-of-the-art battery chemistry
- ▶ Tremendous thermal and chemical stability
- ▶ Intrinsically safer because of the ultra-stable Fe-P-O bond
- ▶ Enhanced charge cycles; over 2000+ charge cycles! 5+ years of service life!
- ▶ Original batteries introduced 2012 and still working. Already 9+ years
- ▶ Totally different than LiCoO₂ and Li-Ion Polymer or LiPo! Don't confuse them!



Image by Tom W6ETC

Performance/Longevity

	Bioenno Power LiFePO4
Memory Effect	None. LiFePO4 battery chemistry does not have any memory effect, and can be charged at any SOC (state of charge) – 25%, 50%, 75%, etc.
Effects of Partial Cycling	Suitable for both cyclic and standby applications. LiFePO4 batteries can be partially cycled. Because there is no memory effect, the battery can be partially cycled without degradation. A partial cycle, does not count as a full cycle. Example: Charge and discharge to 50% State of Charge is considered a half cycle.
Self-Discharge Rate	~2 to 3% Per Year – Considered to be extremely low

Building Your Own Ham Radio Solar System Setup

Here are three common components that are included in this type of recharge system. Often used for portable operations. They include:



Solar Panel +



Solar Charge Controller+



LiFePO4 Battery

Shown: Folding Solar Panel (BSP-120) + 30A Solar Charge Controller (SC-4830JUD) + 12V, 15Ah LFP Battery (PVC, BLF-1215A)

Power, dependability, performance, size, and weight are all factors that ham operators truly appreciate.

LiFePO4 Full Capacity Advantage!



Image by Tom W6ETC

On the left, 12V, 12Ah Lead Acid Only can be discharged 50%. So in reality you get only 6Ah out of the battery! 12V, 12Ah Lead Acid is basically a 6Ah battery.

On the right, 12V, 12Ah LiFePO4 You get nearly 100% capacity! 12Ah LiFePO4 = 12Ah of True Capacity



Battery Size Indicator

Based on Standard TX/RX and Weighted Averages

The Bioenno Power 20/80 Guide approximates standard consumption values based on average benchmark figures across the various radio models and assumes median calculated values, actual runtimes may vary depending on make, model, and vintage of radio.

Transmit Power	Receive Power	Weighted Average (20% <u>Tx</u> + 80% Rx)	Battery Run-Times
5 Watts	5 Watts* *Modern radios have a receive power < 5 Watts	5 Watts	3Ah -> 7 hours 4.5Ah -> 10 hours 6Ah -> 14 hours
10 Watts		6 Watts	6 Ah -> 12 hours 8 Ah -> 16 hours 12Ah -> 24 hours 15Ah -> 30 hours 20Ah -> 40 hours
20 Watts		8 Watts	6 Ah -> 9 hours 8 Ah -> 12 hours 12Ah -> 18 hours 15Ah -> 22 hours 20Ah -> 30 hours
50 Watts		14 Watts	6 Ah -> 5 hours 8 Ah -> 7 hours 12Ah -> 10 hours 15Ah -> 13 hours 20Ah -> 17 hours

For HF TX 100 Watts a **20Ah+** LiFePO4 Battery is Recommended

Transmit Power	Receive Power	Weighted Average (20% <u>Tx</u> + 80% Rx)	Battery Run-Times
100 Watts	5 Watts* *Modern radios have a receive power < 5 Watts	24 Watts	12Ah -> 6 hours 15Ah -> 7.5 hours 20Ah -> 10 hours
150 Watts		34 Watts	15 Ah -> 5 hours 20 Ah -> 7 hours 40 Ah -> 14 hours
200 Watts		44 Watts	20 Ah-> 5 hours 40 Ah -> 10 hours 60 Ah -> 16 hours

Key: + = "or larger" / Contests and Digital Operations may **Negatively** affect Run-Times

#1 Most Common Question regarding LiFePO4 Batteries

What size of battery do I need?
How long will it last on my radio?

Answer:

1st, you need to know the total power consumption.
2nd, what's the desired run-time.
Consider the power level of the radio. Is it 10W? 50W? 100W? Refer to the Run-Time chart on previous page.



New products by Bioenno Power for Amateur Radio Operators in Mind

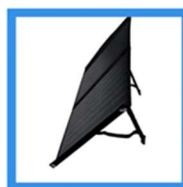
BSP-40-LITE (Foldup)



- ▶ 40 Watts (Voc: 18VDC, Isc: 2.4 Amps)
- ▶ 4 lbs.
- ▶ 54 in. x 11 in. x 0.24 in. (Unfolded)
- ▶ 11 in. x 8 in. x 2.2 in. (Folded)



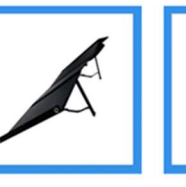
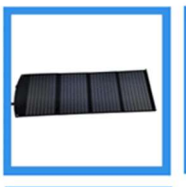
BSP-60-LITE (Foldup)



- ▶ 60 Watts (Voc: 22V, Isc: 3.3 Amps)
- ▶ 5.5 lbs.
- ▶ 26 in. x 20 in. x 0.25 in. (Unfolded)
- ▶ 20.5 in. x 14.2 in. x 1.8 in. (Folded)



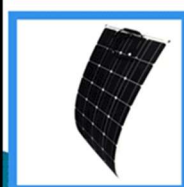
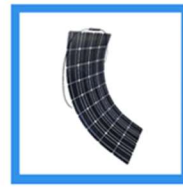
BSP-100-LITE (Foldup)



- ▶ 100 Watts (Voc: 22VDC, Isc: 5.56 Amps)
- ▶ 10.0 lbs.
- ▶ 56 in. x 19 in. x 0.24 in. (Unfolded)
- ▶ 20.6 in. x 14 in. x 2.4 in. (Folded)



BSP-100 (Ultra Thin Flex)



- ▶ 100 Watts (Voc: 22VDC, Isc: 5.66 Amps)
- ▶ 8.4 lbs.
- ▶ 47 in. x 21 in. x 0.12 in.



Above source: <https://www.bioennopower.com/> Published with permission.

Thanks again to Kevin Zanjani – KI6DHQ of Bioenno Power.

Article by Tom Cowart W6ETC, OCARC 2022 Public Relations

Continued from 'The PREZ SAYS' – Page 1:

one left the event happy. Treasurer Ken W6HHC was not too happy to see the Club not turning a profit for the dinner, but the President and the Board reminded him that the Club is a “Non-Profit” Organization. Again, the general feeling (even Ken’s) was that once more “A good time was had by all”.

I would like to take this opportunity to thank all the Club members and its board of Directors for their support during these years as your Club President. It’s been my pleasure and an honor to help the Club. So HAPPY HOLIDAYS and a prosperous 2023 to everybody.

73 DE AF6CF

**Presentation to OCARC outgoing President, Nicholas AF6CF,
By OCARC Vice President, Tim N6GP**

It is an OCARC tradition to thank the outgoing President with an award of appreciation.

For many years, it has been a keepsake plaque. In addition, the last few Presidents have served for two, one-year terms and have received a plaque combining the two years (2 terms) of service. It is an honor for the Vice President to present the award, if able, and the club thanks the outgoing Presidents for their service. Nicholas could not make the Holiday Dinner so was presented the plaque at the November meeting. (ed-KI6X)

OCARC Holiday Party Highlights! Friday, December 9th



Celebrating the Holiday season together with
OCARC Members, Family and Guests at
Mimi's Café

17231 E. 17th Street, Tustin, CA 92780

Social hour began at 6:00 pm and

OCARC Members and Guests in attendance



Dinner served around 7:00pm.



OCARC 2022 CHRISTMAS PARTY FUN

Introducing the OCARC 2023 Board of Directors



From Left to Right:

Nicholas AF6CF *Activities Chairman*; AJ KN6WNO *Director-at-Large #2*;
 Ken W6HHC *Director-at-Large #1*; Corey KE6YHX *Membership Chairman (Hat)*;
 Tim N6TMT *Secretary*; Bob AF6C *Technical Chairman (Vest)*; Ron W6WG *Publicity
 Chairman*; Tim N6GP *Treasurer*; Janet KL7MF *Vice-President*; Chip K7JA *President*
(note: Nicholas (far-left) added to photo magically by Tom W6ETC!)

2023 Elected Officers by Position

POSITION	NAME / CALLSIGN
President	Chip Margelli, K7JA
Vice-President	Janet Margelli, KL7MF
Secretary	Tim Millard, N6TMT
Treasurer	Tim Goeppinger, N6GP
Activities	Nicholas Haban, AF6CF
Membership	Corey Miller, KE6YHX
Public Relations	Ron Mudry, W6WG
Technical	Bob Eckweiler, AF6C
Directors at Large 1	Ken Konechy, W6HHC
Directors at Large 2	AJ Ricci, KN6WNO

Note: Officer position information taken and expanded from the By-Laws were written up in 2019 in a repeating column of the RF. See Feb 2019 – Oct 2019 working up the position list each month. See: [2019 RF \(this link or via W6ZE.ORG\)](#) (ed-KI6X)

THANK YOU TO THE 2022 OCARC BOARD OF DIRECTORS FOR YOUR SERVICE



President
Nicholas Haban, AF6CF
Vice President
Tim Goeppinger, N6GP
Secretary
Corey Miller, KE6YHX
Treasurer
Ken Konechy, W6HHC
Activities
Ron Mudry, W6WG
Membership
Bob Echweiler, AF6C
Public Relations
Tom Cowart, W6ETC
Technical
Steve Belasco, N1BKB
Director at Large
Dan Violette, KI6X
Director at Large
Tim Millard, N6TMT

by Tom W6ETC



AF6CF



N6GP



KE6YHX



W6HHC



W6WG



AF6C



W6ETC



N1BKB



KI6X



N6TMT



W6ETC

MERRY CHRISTMAS
& HAPPY HOLIDAYS
from the OCARC 2022
Board of Directors



DECEMBER

- ***ARRL 10 Meter Contest:** 0000Z Saturday Dec. 10 through 2359Z Sunday Dec. 11.
- **ARRL Rookie Roundup, CW:** 1800Z to 2359Z Sunday Dec. 18.

JANUARY 2023

- **Straight Key Night:** 0000Z – 2359Z January 1
- **ARRL Kids Day:** 1800Z – 2359Z Sat. January 7
- **ARRL RTTY Roundup:** 1800Z Saturday January 7 to 2400Z Sunday January 8.
- ****North American QSO Party / CW:** 1800Z Saturday January 14 to 0559Z Sun. January 15.
- ***ARRL January VHF Contest:** 1900 UTC Saturday Jan 21 to 0359 UTC Mon. January 23.
- ****North American QSO Party / SSB:** 1800Z Saturday January 21 to 0559Z Sun. January 22.
- ***CQ 160 Meter Contest/ CW:** 2200Z Friday January 27 to 2200Z Sunday January 29.
- ***Winter Field Day:** 1900Z Sat. Jan. 28 to 1900Z Sun. January 29.

* Indicates club entries are accepted

** Indicates team entries are accepted

Note: When submitting logs for ARRL Contests indicate your club affiliation as:

"Orange County ARC"

Send an email to *Ron W6WG*,
w6wg@w6ze.org to have your favorite activity
 or your recent **RadioActivity** listed in next
 month's column.

REPEATING ACTIVITIES:

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

- **Catalina Amateur Repeater Association**
Net-AT-9 Wellness & Support Net
 Monday thru Friday 9:00 am and 9:00 pm Local Time 147.090 MHz (+600 MHz) No PL
 224.420 MHz (-1.600 MHz) PL 110.9
 Echolink *CATALINA* / Allstar #51597



The eleventh Regular Meeting of the year, and the sixth in-person Regular Meeting since the pandemic, was on Friday, November 18, 2022, at the American Red Cross in Santa Ana, with Zoom for those who cannot attend in-person. The meeting was called to order by club president, Nicholas Haban AF6CF at 7:06 PM PST. Thirty (30) members, guests and visitors were present, with twenty-three (23) in-person including our speaker, and seven (7) by Zoom.

Pledge of Allegiance

Nicholas AF6CF leads the pledge of allegiance at 7:06 PM PST.

Introductions

Nicholas AF6CF starts the attendee introductions. Twenty-one (21) in-person members and visitors introduce themselves. Two (2) people arrived later.

Meeting Presentation

Nicholas AF6CF passes the meeting to our vice president, Tim Goeppinger N6GP. Tim introduces our returning guest speaker, Kevin Zanjani KI6DHQ, who presents "Ham Radio Operations Using LiFePO4 Batteries."

Advantages of LiFePO4 Batteries

	Bioenno Power LiFePO4	Sealed Lead Acid
Safety	Inherently Safe as a result of strong chemical bonds and non-toxic	Sulfating, Venting, Leaking, Lead is toxic
Weight	50% to 60% lighter compared to SLA batteries	Heavy!
Life Cycles	>2000+ Cycles	< 200 to 300
Protection Circuitry	Built-in and advanced protection circuit module (PCM) and battery management system (BMS) Prevents overcurrent, overdischarge, undervoltage/ overvoltage, thermal	No protection – Can easily overdischarge SLA batteries, or overcharge them
Capacity	Get nearly 100% of the full capacity out of the battery	Can only discharge 50% of the written capacity!



Fig 1 - Advantages of Bioenno LiFePO4 Batteries

Questions and Answers

Kevin KI6DHQ calls for questions from the audience.

-Doug K6PGH, Steve N1BKB, AJ KN6WNO, Nicholas AF6CF, Tim G. N6GP, Tom W6ETC, Tim M. N6TMT and some Zoom attendees have questions for Kevin.

Nicholas AF6CF thanks Kevin for coming and presenting this fascinating topic. We end with a round of applause. Thanks again from the OCARC!

Recess

Nicholas AF6CF calls for a recess at 8:01 PM PST.

Business Meeting

Club president, Nicholas AF6CF starts the business meeting at 8:17 PM PST. Eight (8) board members were present for a quorum. Our treasurer and membership chairman were absent. Eight (8) topics were brought to the board tonight, including six (6) Director Reports, one (1) item of business, and one (1) item for the Good of The Club. Three (3) motions were carried, including adjournment.

•Director Reports

Nicholas AF6CF calls for Director Reports.

-President: Nicholas AF6CF reports he will be absent from the Christmas Party.

-Vice President: Tim G. N6GP presents Nicholas AF6CF with the President's Award for 2021 and 2022.

-Secretary: Corey KE6YHX reports the links in the November RF Newsletter were initially inactive, have been fixed, and are now available for download.

Second, Corey reminds Nicholas AF6CF to call a two-thirds (2/3) majority vote to approve the Honorary Members for 2023. Dan Violette KI6X so moves, it is seconded, and the motion carries unanimously at 8:23 PM PST.

2023 Honorary Members

•Atlee Hitchcock N2CNC

•Jerry VerDuft AD0A (Lifetime Honorary Member) [EDITOR'S NOTE: Passed Away March 2022]

-Activities: Ron W6WG reminds us the RSVP date for the Christmas Party is December 5th. It will be held at Mimi's Cafe in Tustin on 17th St. Dan KI6X tells us there are three ways to sign-up for the event. It can be paid for at this meeting, via PayPal through our web site, or RSVP'd then paid for at the party. The menu is published in the November RF Newsletter. Food, dessert, and non-alcoholic beverages are included.

Ron is getting Winter Field Day organized and notices need to be sent out. A meeting needs to be scheduled. The event is held on the last full-weekend in January. This is January 28th and 29th, 2023. This is an event that the OCARC has consistently come in first place.

•2023 Board of Directors Elections

Nicholas AF6CF tells us we have no nominations for four positions on the Board for the elections:

Nominations Slate as of Friday, November 18, 2022:

President:	--no nominations--
Vice President:	--no nominations--
Secretary:	Tim Millard N6TMT
Treasurer:	--no nominations--
Activities:	--no nominations--
Publicity:	Ron Mudry W6WG
Technical:	Bob Eckweiler AF6C
Membership:	Corey Miller KE6YHX
Director-at-Large 1:	Nicholas Haban AF6CF
Director-at-Large 2:	Tim Goeppinger N6GP

Our technical chairman, Steve N1BKB, moves that the current nominations be elected to their respective offices. The motion is seconded and carried by acclamation at 8:48 PM PST. Both Director-at-Large positions would later be re-nominated. The elections are to be finalized at the next regular meeting, the Christmas Party on Friday, December 9, 2022. Our president, Nicholas AF6CF, calls for a Board Meeting to fill the positions, to be held on Saturday morning, December 3, 2022.

Good of the Club

Chip K7JA reports he, Janet KL7MF, Gordon West WB6NOA, and one other will be on 28.410MHz Voice and 28.025MHz CW in Bolsa Chica during Thanksgiving. Also, Gordon will be on Ham Nation the following Wednesday with pictures of the Thanksgiving operation at 6:00 PM PST.

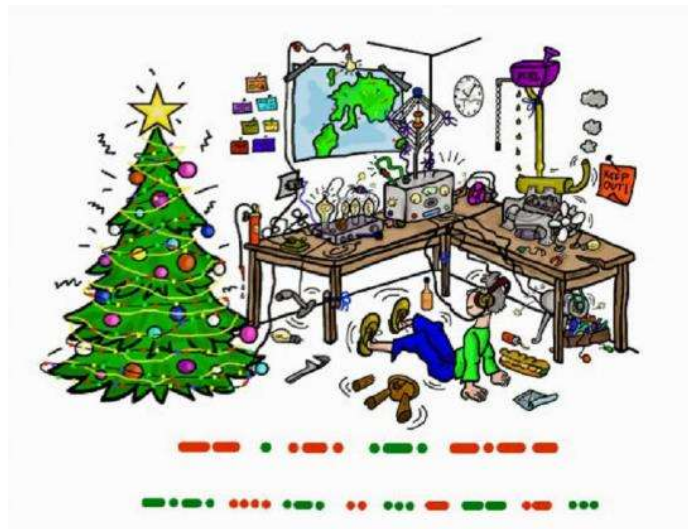
Ask the Elmer

There are no items for Ask the Elmer.

Adjournment

A motion to adjourn is made, seconded and carried at 9:01 PM PST.

--Respectfully submitted by Corey KE6YHX OCARC Secretary



OCARC DECEMBER BOARD MEETING MINUTES – ZOOM ONLY 2022-12-03

The twelfth Board Meeting of the year was via Zoom, on Saturday, December 3, 2022. The meeting was called to order by club president, Nicholas Haban AF6CF at 9:15 AM PST. Nine (9) directors were present for a quorum. Our technical chairman was absent. Five (5) topics were brought to the board this morning. One (1) motion was carried, adjournment.



Fig 1 – Nine (9) Board Directors were present (Ken W6HHC not shown).

Current Business

•2023 Board of Directors Nominations

Nicholas AF6CF reports we had progress in finding the remaining positions. After the November General Meeting, Chip Margelli K7JA, Janet Margelli KL7MF, and AJ Ricci KN6WNO graciously took three nominations. However, the position of Treasurer remains to be filled.

Chip K7JA and Janet KL7MF will ask two members for nomination at their lunch on December 6th. Nicholas AF6CF has a “Plan B,” which is for Nicholas to take the nomination for treasurer, and Ken W6HHC to fill his position as Director-at-Large-1.

Nominations Committee:

- Nicholas AF6CF
- Tim M. N6TMT
- Bob AF6C

-Current Board Nominations as of December 3, 2022:

President:	Chip Margelli K7JA
Vice President:	Janet Margelli KL7MF
Secretary*:	Tim Millard N6TMT
Treasurer:	--no nominations--
Activities Chairman:	Tim Goeppinger N6GP
Publicity Chairman*:	Ron Mudry W6WG
Technical Chairman*:	Bob Eckweiler AF6C
Membership Chairman*:	Corey Miller KE6YHX
Director-at-Large 1*:	Nicholas Haban AF6CF
Director-at-Large 2:	AJ Ricci KN6WNO

*Previously elected to office at the November 18, 2022, General Meeting.

•Christmas Party Schedule

6:00: Meet-and-Greet
7:00: Dinner
8:00: Club Elections
8:45: Opportunity Drawing

•Christmas Party Plans

Ron W6WG has some shopping to do for the opportunity drawing.

Ken W6HHC has an RSVP request for Corey KE6YHX to blast to the membership this afternoon.

We currently have twelve (12) RSVPs for the Christmas Party. Corey KE6YHX has been checking the Post Office Box. He went yesterday, and will go again tomorrow.

Tom W6ETC reminds us to keep track of the winners of the gift certificates. Tom proposes to invite a presenter who has been very supportive of the Club. The Board agrees.

•General Meeting Programs

The Board discusses future General Meeting programs.

•Winter Field Day

Ron W6WG contacted Ocean View School District, and they sent the form for reserving their back lot for the event. Ron will have a write-up for the December RF Newsletter similar to last year. We expect to have a planning meeting this month.

Adjournment

A motion to adjourn is made, seconded, and carried at 9:56 AM PST.

--Respectfully submitted by Corey KE6YHX, OCARC Secretary



[editor's note: Normally no business meetings at the Dinner. Additional formal elections needed this year-KI6X]

The twelfth Regular Meeting of the year, and the seventh in-person Regular Meeting since the pandemic, was the Christmas Party on Friday, December 9, 2022, at Mimi's Café in Tustin. Twenty-six (26) members, guests and visitors were present.

Business Meeting

The business meeting was called to order by acting-chairman, Tim Goeppinger N6GP at 8:33 PM PST. Nine (9) Directors were present for a quorum. Our president was absent. Six (6) items of business were brought to the meeting tonight, and two (2) motions were carried.

2023 Board of Directors Elections

-Officers elected for the 2023 term include:

President:	Chip Margelli K7JA
Vice President:	Janet Margelli KL7MF
Secretary*:	Tim Millard N6TMT
Treasurer:	Tim Goeppinger N6GP
Activities Chairman:	Nicholas Haban AF6CF
Publicity Chairman*:	Ron Mudry W6WG
Technical Chairman*:	Bob Eckweiler AF6C
Membership Chairman*:	Corey Miller KE6YHX
Director-at-Large 1:	Ken Konechy W6HHC
Director-at-Large 2:	AJ Ricci KN6WNO

**Elected to office at the November 18, 2022, General Meeting.*

Four positions were elected to office by acclamation at the November 18, 2022 General Meeting. Acting chairman, Tim Goeppinger N6GP conducts the nominations and the elections for the remaining slate. Tim reads the current unelected nominations slate as given above, and calls for any further nominations. None of the nominations are contested, and Steve N1BKB moves to close nominations and proceed to the election. The motion is seconded and carried at 8:38 PM PST. The current remaining nominations slate is duly elected to office by acclamation viva voce at 8:38 PM PST to serve during the 2023 term.

Good of the Club Award

Acting chairman, Tim Goeppinger N6GP presents the Good of the Club Award for Gene and June Eckert. The awardees could not be present tonight, and the certificate will be presented to them at a later date.

Passing of the Gavel

Acting chairman, Tim Goeppinger N6GP ceremoniously passes the "invisible" gavel to our new president for 2023, Chip Margelli K7JA. This ceremony shall be concluded at a later date.

2023 President's Address

Our new president for 2023, Chip Margelli K7JA, addresses the attendees with a humorous and inspiring speech. Chip begins by thanking our Mimi's Restaurant hosts for serving us, and concludes with a call for patience and understanding. Chip thanks the audience and wishes us a Merry Christmas and a Happy Holiday Season.

Gifts to YLs and XYLs

Tim G. N6GP and Ron W6WG present the ladies with gifts of poinsettias.

Opportunity Drawing

The Business Meeting concludes with the Opportunity Drawing at 8:54 PM PST.

Gift Certificate Winners:

- HRO \$100 Gift Certificate (11-032522): Tim Goeppinger N6GP
- HRO \$50 Gift Certificate (11-032523): Ken Konechy W6HHC
- HRO \$50 Gift Certificate (11-032524): Ken Konechy W6HHC
- HRO \$50 Gift Certificate (11-032525): Dan Violette KI6X
- HRO \$50 Gift Certificate (11-032526): Nicholas Haban AF6CF

--Respectfully submitted by Corey KE6YHX OCARC Secretary

**OCARC Cash Flow - Year to Date**

1/1/2022 through 11/28/2022

Category	1/1/2022- 11/28/2022
INFLOWS	
Auction In	1,971.25
Badge Income	3.00
Christmas Dinner Ticket Sales	143.68
Donations - FD Food	724.00
Dues, Family (PayPal)	264.70
Dues, Membership	360.00
Dues, Membership (PayPal)	2,347.20
Dues, Membership (PayPal) 2023	242.16
Dues, Membership 2023	95.00
Equip Sales	100.00
Opportunity Drawing -Monthly	237.00
TOTAL INFLOWS	6,487.99

OUTFLOWS

Auction Payout	325.35
Awards and Plaques	58.46
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
Insurance Expense	300.00
Opportunity Drwng Expenses	117.46
PO Box Rental	156.00
Publicity	37.64
Refreshments Expense	28.98
Storage of Equipment - Ann Millard	500.00
Web Site Hosting	218.95
Web Site SSL Fee	69.99
WFD	26.68
WFD - Food	17.90
WFD - Propane	43.06
WFD Rental - Tent	150.00
ZOOM subscription	149.90
TOTAL OUTFLOWS	3,851.64

OVERALL TOTAL 2,636.35

Financial Assets

WF Checking	\$8,578.18
PayPal account	\$500.00
Cashbox	\$0



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1.25M: 224.420 MHz (-1.600 MHz) PL 110.9 repeaters.
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