

ORANGE COUNTY AMATEUR RADIO CLUB, INC.

VOL. LXIV NO. 7

PO Box 3454, Tustin, CA 92781

July 2023

The Prez Sez... By Nicholas AF6CF



When I was a little boy, my mother used to tell me "You better behave, because God is watching over your shoulder". Well, this picture of Chip's last OCARC meeting just reminded me of that. Chip will never be forgotten. He lives on in his videos, teachings and in our spirits. Same for Carl Gardenias, a good friend and an

asset to the Amateur Radio community. In memory of Chip, we had a fantastic Field Dav. Just do an Internet search for "Nanos Gigantum Humeris Insidentes" (if you're weak in Latin) and you'll know what I mean. Thanks again to all FD participants for another successful Field Day! High Scores, dignitaries, local press and visitors made it a real success. We could not ask for more. This was again a team effort that will not be soon forgotten. We finally left behind the "years of the pandemic." All the visitors were impressed with the setup and operations, and I feel that we have attained our objectives of a safe operation and a Public Relations event. We also had a few new hams joining the Club. Big thanks to the Band Captains and Food. GOTA and PR persons. The Club owes you all their gratitude. I know that you all contributed more than a fair share of your time and money to make this a total success that will be used as another example of how Field Day should be conducted. Special thanks to Tom W6ETC and Jeff KK6TRC for doing an

(Continued on Page 3)

NEXT GENERAL MEETING IN-PERSON

Gordon West
WB6NOA
presents

"VHF/UHF Propagation"

July 21st, 2023, at 7PM at the

American Red Cross

Orange County Chapter Santa Ana, Room 208

NEXT BOARD MEETING

Saturday, August 5th, 2023
See www.w6ze.org for Location

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2023 Board of Directors

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2023 Club Appointments

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John Schroeder, N6QQ (West Orange Co.) (562) 404-1112 n6qq@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 Friday of each Month
Board will handle Club business now
IN-PERSON.

Club Nets (Listen for W6ZE)

10M ~ 28.375 MHz SSB

Wed- 7:30 PM - 8:30 PM Net Control: Corey, KE6YHX Alternate Net Control: AJ, KN6WNO

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 <u>includes a badge</u>:
Additional Badges¹ \$3

Use one of our our interactive online forms to calculate current prices, join, renew, or order badges:

https://www.w6ze.org/FormsShortcut.html

¹ \$3 or less + mailing. See form.

July Presentation: "VHF/UHF Propagation...And Then Some!" Speaker Spotlight: Gordon West WB6NOA



We are privileged this month to be educated and entertained by someone who almost needs no introduction: Mr. Gordon West, WB6NOA.

Gordon has been the leading amateur radio instructor in the USA for more than 40 years, and I'm certain many of our club members have used his popular study guides to become licensed and to upgrade.

First licensed in the 1950s, Gordon has been honored by the ARRL as "Instructor of the Year" and by the Dayton Amateur Radio Assn as "Amateur of the Year" and is currently one of the co-hosts of the online program "Ham Nation." He is on the air daily, active in multiple evening nets, keeping an

eagle eye (and ear) on 6m, participating in events such as our recent Field Day effort, and generally being available to any interested ham who needs answers or assistance.

VHF/UHF is not all line-of-sight. We'll learn about tropospheric ducting, and how watching for summertime inversions might be a sign to listen for DX on VHF and UHF. Antennas don't need to be huge...remember, it's QTH, QTH, and Gordon will share tips on how to make the most of your VHF and UHF equipment. We will also have a few signed copies of his latest CQ publication, "VHF/UHF Propagation" available, which also now contains a chapter written by our SK President, Chip K7JA.

Come join us in person on Friday, July 21, at the American Red Cross building, 600 Parkcenter Dr., Santa Ana at 7 pm and welcome Mr. Gordon West WB6NOA. Gordo makes learning fun so come see why his motto is "come ham it up!"

73 de Janet Margelli, KL7MF Vice-President OCARC

Prez Sez Continued from Page 1



outstanding job as Food Captains. Several members said that the food was delicious and this is the way to do it.

This month we plan to have our usual General Meeting with a discussion of the Field Day activities and a presentation about VHF/UHF propagation by the famed author Gordon West, WB6NOA. I look forward to an eyeball contact with you all at the General Meeting.

Again, thanks to all.

73 DE AF6CF









W6ZE PRELIMINARY RESULTS 2023 5A CLASS

Band	CW	Phone	Digital	Total
80	104	35	0	139
40	625	590	0	1,215
20	1,086	1,145	59	2,231
15	414	283	57	697
10	3	1	87	91
6	0	4	51	55
2	0	94	0	94
70	0	22	0	22
10 G	0	1	0	1
SAT	0	1	0	1
Total	2,232	2,261	254	4,747
GOTA		85		

Total score from QSOS: 14,466 Estimated bonus points: 1,975

TOTAL SCORE 16,441

Last year this score would have put us in 7^{th} place out of 4930 entries, but remember the conditions were terrible last year, and very good this year.

캮

2020 OCARC COVID aggregate 2021 OCARC COVID Aggregates 2028 2022 2008 2008 2007 2006 2006 NOTE: Adjustments have not been made for duplicate contacts, and bonus points. Final scores appear in QST 261 CW 80M 18 8 8 8 B 106 50 K 163 588 680 643 220 20M CW 1,086 1626 20M 988 1,146 1,363 970 878 1,286 884 834 207 162 24 80 414 CW 16M 88B 283 30 TON 0 0 8 8 S A PR 8 2 E 0 0 PHN # 22 P 4 · · · 264 284 90TA 85 31 7 6 8 4,747 5,392 5,186 1,863 1,020 (POINTS 14,466 8,630 17,448 9,468 17,648 4,514 6,350 18,700 5,834 6,278 4,786 3,278 4,124 3,270 6,024 6,428 6,844 4,316 2,054 3,648 3,648 3,882

ORANGE COUNTY AMATEUR RADIO CLUB

FIELD DAY SUMMARY - (years 2020/2021 have COVID-13 OCARC Aggregated score listed)

FOR

THE ORANGE COUNTY AMATEUR RADIO CLUB - W6ZE

by: Ken/WEHHC & Bob/AFEC

Reprinted Courtesy of the Huntington Beach News



Community News

OC Amateur Radio Club hold Field Day in HB

by: Jerry Person Published: June 26,



A typical transmitter-reciever setup

HUNTINGTON BEACH... "Calling CQ," "Calling CQ."

If you know what that means then you were or are a Ham. No not a bad actor, but a member of the elite group of Amateur Radio Operators.

Back in the early 1900s men were experimenting with something they called wireless telegraphy with their spark-gap equipment transmitting Morse Code short distances. As more powerful and better equipment came along, longer distance were achieved and wireless sets were now placed in trains and ships.

In 1912 a signal was sent out from a ship in trouble and in America a "Ham" heard dot, dot, dot, dash, dash, dot, dot, dot (... ---...) (SOS) faintly on his earphones repeated over and over.

That ham operator was David Sarnoff and he would go on to found RCA and the ship that sent out that signal was the ill-fated ocean liner Titanic. Today, over 111 years later that same ship is still in the news.

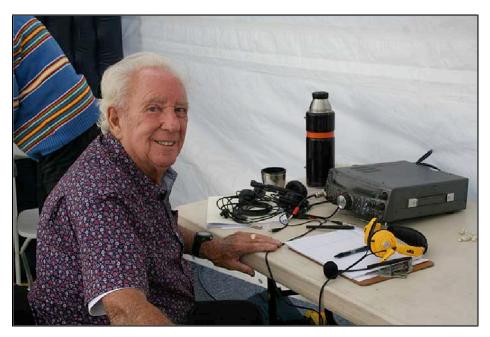
Over those many years ham transmitters have gone from spark-gap, glass tubes to transistors, but an early ham of the 1920s - 1940s would still feel right at home with today's modern equipment, talking to other hams through voice and Morse Code around the world..

This last Saturday and Sunday, June 24 & 25 at the Ocean View School District Office members of the Orange County Amateur Radio Club participated in a national amateur radio exercise called ARRL Field Day hosted by the American Radio Relay League (ARRL). The American Radio Relay League is the national association for amateur radio in the United States with ham radio operators that range in age from youngsters to seniors.



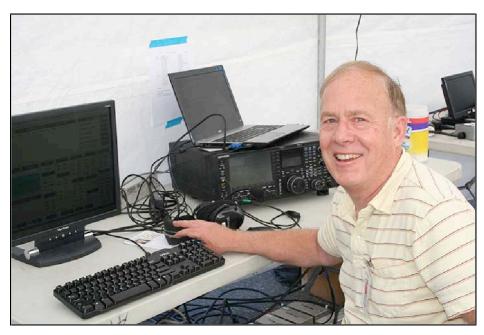


Several sizes of antennas filled the park-like lawn next to the Ocean View School District office that were connected by cables to transceivers (Transmitter-receiver in one unit) as operators began calling CQ meaning anyone out there want totalk.



Gordon West sits at his rig

Gordon West, WB6NOA, from Costa Mesa has been a ham operator for nearly 60 years and still finds it exciting.



Dan Violette with his equipment ready in case of a disaster

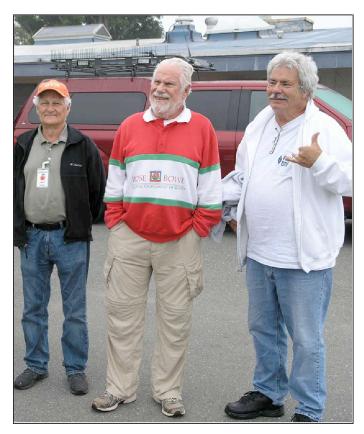
Dan Violette, Ki6X, from Orange has been communicating with fellow ham operators for 45 years.

The exercise helps prepare ham operators for a possible major emergency when normal communication, radio, telephone, internet, or power were damaged and out of commission. A ham can set up mobile communication to the outside world in minutes, relaying messages to other hams thousands of miles away to let someone know that a relative or friend is ok.



These two operators were getting ready to communicate in old Morse Code

In the park-like setting two tents were spaced apart so that the signals would not interfere with each other. In the smaller one housed the code transmitters that tapped out Morse Code to fellow hams thousands of miles away and in the larger tent housed several transmitters for voice and text transmissions.



L-R: Nicholas Haban (AF6CF), Arnold Shatz (N6HC) and Chip Margelli (K7JA) in 2022 Photo: HB Newsfile

Today's Field Day event was dedicated to fellow ham Chip Margelli (K7JA) who passed away since last year's Field Day and was a loyal member of the Orange County Amateur Radio Club and who participated in these events for many years.



Several operators getting ready to start transmitting

Those who may be interested in Amateur "Ham" Radio in Orange County should check out the club's website at $\underline{www.w6ze.org}$ or email a question to them at $\underline{ochamclub@w6ze.org}$

Huntington Beach News 18582 Beach Blvd. #236 Huntington Beach, CA 92648 Email: <a href="https://doi.org/10.2016/ncbeach.2016-10.2016/ncbeach.2016/nc

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We are remembering Chip K7JA with this Member Spotlight from the July 2009 RF





Chip Margelli, K7JA –

Interview by: Kristin Green, K6PEQ

Q: When did you become a ham?

A: Got my Novice license in January of 1963, my General in May of 1964, and my Extra in August of 1968, so I've been licensed over 46 years. All tests were taken at the FCC office in Seattle, Washington.

Q: What were your previous callsigns, if any?

A: KN7VPF as Novice, and K7VPF 1964-1968.



Q: How did you originally get interested in amateur radio?

A: My playmate, Steven Pruitt, got me going; his Dad was K7ATF, and he was my early Elmer.

Q: Did you have any Elmers? If so, who?

A: Besides K7ATF, W5QQQ (now K7QQ) was my contest Elmer.

Q: What is your favorite band? Why?

A: Probably 15 meters, because it is above the zoo on 20 and yet it has some characteristics of VHF. Second preference is six meters, although she is a cruel mistress.

Q: Do you prefer CW, SSB, or digital? Why?



A: CW (the first digital). I like the sound of it, I like the skill set involved, and I like the transmission efficiency of CW.

Q: What aspects of amateur radio do you most enjoy?

A: I love building antennas, as anyone who visits our Field Day locations will know. Six meter antennas are not bad mechanically, so I like fiddling with them, but I never met a homebrew antenna I didn't like. Straight, manufactured elements don't work right.

Q: What is your most memorable QSO?

A: My first QSO with K6PEQ, of course! (Yeah, right! LOL) My QSO with JY1, King Hussein, is right up there, though.

Q: Have you ever received an "OO" notice?

A: Yes, as trustee of KP2AA I received an OO notice for operation above the high end of the 20- meter phone band during Field Day a few years ago. I wasn't at the mic, so the investigation is still open.

Q: What radio and equipment do you use at your station?

A: I use an IC-7800 primarily, along with an FT-847 for 2 meters. Also use a Yaesu Mk-V FT-1000MP and FT-1000D from time to time. And I use the FT-817 for portable HF/VHF work.

Q: What is your favorite QSL card received?

A: Probably the card I received from Ernst Krenkel, RAEM, is the coolest. He was "Hero of the Soviet Union" for saving the crew on an Arctic research ship (he was the radio officer), so the Russian FCC gave him the medal as well as the callsign of the ship. It has a very high cool factor.

Q: How many DXCC countries do you have confirmed?

A: Gee, not sure. Probably 320, but I haven't sent in a card since about 170 countries



This was Chip at the CQ dinner looking very dapper! Thank you Chip for letting us know a little bit more about your love of our great hobby!

RadioActivity July 2023

Upcoming Activities:

July

- *CQ WW VHF: 1800 UTC Saturday July 15 through 2100 UTC Sunday July 16.
- **North American QSO Party / RTTY: 1800 UTC Saturday July 15 through 2100 UTC Sunday July 16.
- RSGB IOTA Contest: 1200 UTC Saturday July 29 through 1200 UTC Sunday July 30.
- ARS Flight of the Bumblebees: 1700 UTC through 2100 UTC Sunday July 30.

August

- 10-10 International Summer Contest, SSB: 0001 UTC Saturday August 5 through 2359 UTC Sunday August 6.
- **North American QSO Party / CW: 1800 UTC Saturday August 5 through 0559 UTC Sunday August 6.
- WAE DX Contest, CW: 0000 UTC Saturday August 12 through 2359 UTC Sunday August
 13
- **North American QSO Party / SSB: 1800 UTC Saturday August 19 through 0559 UTC Sunday August 20.
- W/VE Islands QSO Party: 1200 UTC Saturday August 26 through 0300 UTC Sunday August 27.
- World Wide Digi DX Contest: 1200 UTC Saturday August 26 through 1200 UTC Sunday August 27.

State QSO Parties:

- Maryland-DC QSO Party: 1400 UTC Saturday August 12 through 0400 UTC Sunday August
 13
- Hawaii QSO Party: 0400 UTC Saturday August 26 through 0400 UTC Sunday August 28
- Ohio QSO Party: 1600 UTC Saturday August 26 through 0400 UTC Sunday August 27.
- Kansas QSO Party: 1400 UTC Saturday
 August 26 through 2000 UTC Sunday August
 27 and 1400 UTC through 2000 UTC August
 27.

Repeating Activities:

- Phone Fray 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. 1200 Sat. to 2359Z Sunday.
- SKCC Sprint (Straight Key CW) 0000Z to 0200Z on the 4th Tuesday night (USA) of the month.
- CWops Every Wednesday 1300 UTC to 1400 UTC 1900 UTC to 2000 UTC and Thursday 0300 UTC to 0400 UTC
- K1USN Slow Speed Test: (CW, 20WPM Max.)
 Every Friday 2000 UTC to 2100 UTC
 Every Sunday night at 0000 UTC to
 0100 UTC Monday
- ICWC Medium Speed Test: (CW, 25WPM Max. Every Monday 1300 UTC to 1400 UTC 1900 UTC to 2000 UTC and Tuesday 0300 UTC to 0400 UTC

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

Monday thru Friday 9:00 am
and 9:00 pm Local Time 147.090

MHz (+600 MHz) No PL

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

The Orange County **Amateur Radio Club**



W6ZE.ORG Website Ramblings

Dan - KI6X

General Information: Club Brochure (PDF)

About Ham Radio **Board of Directors Board Appointments**

Club Activities: <u>Meetings</u>

<u>Upcoming Events</u> **Previous Events**

Club Nets

Emergency Comm. ARRL Field Day Winter Field Day

Membership:

New Membership Member Renewal

Badge Status

Public Roster

Club Library:

'RF' Newsletter

'Net News'

Photo Gallery

Club Archives

Links:

Ham Related Sites

Ham Vendors Miscellaneous:

Heathkit Articles

Digital-ATV Library

Items of Interest For Sale

Contact Us

Serving Orange County in Southern CA

This month's article will be covering the **Links** section of the <u>W6ZE.ORG</u> website. I spent a lot of time when I first started helping with the website bringing these two lesser used items up-to-date. You can imagine how these "catch-all" sections got quite outdated when you look at the type of items included in them. Here is a rundown of the items under the **Links** section:

"Ham Related Sites"

This is our location for putting web links that are not part of OCARC but should be of interest to the club members (and to others). They are broken up into three groups on the page:

LEARNING – Morse code, electronics training, soldering, etc.

LICENSING / TESTING – Ways to get licensed and testing locations

OTHER / MISC - Here you will find many subjects from other clubs/societies, digital radio, useful forms, PowerPoles™ info, meaning of GMT time, more...

I see that I could group the clubs/societies into their own group (on to-do list!)

"Ham Vendors"

This section contains links to ham vendors (obvious enough?). This took a lot of effort to get updated since all the sites had to be verified, corrected, deleted, or combined with another company (with a note) if they were now joined together. You will find the follow lists on this webpage:

- Major Manufacturers
- **Major Distributors**
- Antennas & Accessories
- Ham Parts Distributors
- Kit Manufacturers
- **Accessory Manufacturers**
- **Electronic Surplus Dealers**
- Ham Book Sources



I will get to the Miscellaneous section next month. This is the last major heading on our website and we will see how much of it I can cover in a one-page article next issue... KI6X

July 2023 OCARC Board Meeting Minutes July 8, 2023

OCARC Board Meeting Minutes for: July 8, 2023, The OCARC Board meeting was held at The Streamliner Lounge, 186 N. Atchison St., Orange, and called to order by President Nicholas Haban AF6CF at 8:15 am. 9 Board Members were in attendance. Member Arnie Shatz N6HC was also in attendance.

Treasurer report –presented a current Cash Flow report with a positive cash flow. Waiting on receipts from Field Day expenses but should still be positive even with all expenses paid out.

Technical – club donations are picked up and after testing it will be determined whether to sell or make the items a prize at Xmas party.

Activities report – 90th Anniversary coming in September.

Membership – Roster online, currently 97 members.

A member is reporting interference issues that appear on 17-meter band at their QTH. Several people had suggestions for finding interference sources such as walking around the neighborhood with an am radio to see where interference is strongest.

Newsletter Jul – Tim N6GP Aug - Nicholas AF6CF, Sep -Dan KI6X

Speakers - July - Gordon West WB6NOA- VHF/UHF Tropo Propagation. August - Doug Millar, K6JEY - Modern Day Test Instruments, September 90th Anniversary celebration

Field Day is considered a great success for the club again this year. Don't know how some of the other clubs might have done but we should reflect a high ranking in the overall results.

New business

Honorary Membership discussed by Board for Gordon West, WB6NOA and spouse Suzie. To be presented to them at the next General Meeting.

Honorary Membership for Jeff Cowart, KK6TRC who was our able field day cook. Board approved. Membership chair directed by Board to supply snacks and water at General Meetings. Also, working on bringing coffee.

A food budget of \$250 was approved for the September Clubs 90th Anniversary party. AJ will be checking with a source he regularly uses for per unit cost on various items that will display "90th Anniversary OCARC". Etc.

Holiday Party is being planned for December 8th. The possibility of having Arnie N6HC as our special speaker.

Monthly Planner – Bob AF6C brought up the fact that in the past the Board has worked with a monthly planner that highlights the things each board member is responsible for through out the calendar year. Tim N6TMT suggested that those items could be added into a Google calendar tool and thus add functionality that board members would receive regular reminder of board functions that needed to be accomplished throughout the year. N6TMT will look at implementing.

Good of the Club

Adjournment occurred around 10:08 am.

OCARC GENERAL MEETING MINUTES 2023-06-16

The sixth Regular Meeting of the year was on Friday, June 16, 2023, at the American Red Cross in Santa Ana, with Zoom for those who cannot attend in-person. The meeting was called to order by acting club president, Tim Millard N6TMT, at 7:03 PM PDT. Twenty-four (24) members, guests and visitors were present, with twenty-two (22) in-person, and two (2) by Zoom. Our speaker was Chip Margelli K7JA (SK) via recording.

Pledge of Allegiance

Tim M. N6TMT leads the Pledge of Allegiance at 7:11 PM PDT.

In Memory of Silent Keys

- -Chip Margelli K7JA (SK)
- -Carl Gardenias WU6D (SK)

Tim M. N6TMT calls for a moment of silence for each.

Introductions

Tim M. N6TMT starts the attendee introductions. Twenty-one (21) in-person members and visitors introduce themselves. One (1) member was downstairs tending the door, Jeff KK6YUP. Two (2) people were via Zoom.

Meeting Presentation

Our acting president, Tim M. N6TMT presents our speaker via recording, Chip Margelli K7JA (SK) on "Preparations for ARRL Field Day."



Fig 1 - Chip Margelli K7JA (SK) June 2022 General Meeting

Tim M. N6TMT continues the meeting, and calls for a recollection of Chip K7JA.

Elections for Vacant Board of Directors Positions

Acting president Tim Millard N6TMT tells us we need to fill the (SK) vacant position for club president, and thereafter provide a nomination for the now vacant position of activities chairman. Acting secretary, Corey Miller KE6YHX takes roll call of seven (7) out of nine (9) board members present, and announces a quorum.

OCARC Elected Officers on Friday, June 16, 2023:

President: Nicholas Haban AF6CF Activities: Tom Cowart W6ETC

Tim M. N6TMT calls for nominations for the vacant position of club president. There are no further nominees called, and Nicholas Haban AF6CF is elected by acclamation to the position of club president at 7:33 PM PDT. Nicholas takes office, and calls for a continuation of activities in memory of Chip.

Nicholas AF6CF announces the now vacant position of activities chairman, and names Tom Cowart W6ETC as nominee. As now secretary, Tim M. N6TMT calls for nominees for the position of activities chairman. No further nominees are called, and Tom Cowart W6ETC is elected by acclamation to the position of activities chairman at 7:36 PM PDT.

Recess

Our newly elected club president, Nicholas AF6CF, calls for a recess at 7:39 PM PDT.

ARRL Field Day 2023

Nicholas AF6CF reconvenes the meeting at 8:03 PM PDT.

Tim M. N6TMT and Nicholas AF6CF are Field Day co-chairmen, and begin the discussion.

Tim M. N6TMT covers the band captains and calls for operators to take positions at Field Day. The discussion turns to food plans, and Tom W6ETC and Jeff KK6TRC will fill that requirement. Setup and teardown are discussed, and Tim M. calls for hands to help on the Friday and Sunday of Field Day. Ten (10) people are the minimum to set-up towers. There are some new vehicle restrictions this year. Field Day operations set-up will start on Saturday, including radio equipment and pop-up tents. Tim G. N6GP calls for the most recent version of the N3FJP software for computer logging. We are W6ZE 5A, and W6NGO for GOTA. Arnie N6HC summarizes the points as safety officer. Signage and P.R. are discussed.

Show and Tell

Nicholas AF6CF went to the Dayton Hamvention, and has some interesting devices to pass-around and show. One is a CW transceiver, another is a Tesla battery, and the other is an Icom video interface, which is yet to be delivered.

Director Reports

No director reports are called for.

Good of the Club/Ask the Elmer

There are no items for The Good of the Club or Ask the Elmer.

Adjournment

A motion to adjourn is made, seconded and carried at 8:51 PM PDT.

--Respectfully submitted by Corey KE6YHX OCARC Acting Secretary

Cash Flow 1/1/2023 through 6/30/2023

Category	1/1/2023- 6/30/2023
INFLOWS	
Badge Income (PayPal)	3.00
Donations - FD	30.00
Donations - FD Food	165.00
Dues, Membership (PayPal) 2023	1,365.00
Dues, Membership 2023 *	645.00
Opportunity Drawing -Monthly	352.00
TOTAL INFLOWS	2,560.00
OUTFLOWS	
Field Day - Propane	38.66
Field Day Food	250.00
Guest Speaker Meal - Exp	160.02
Opportunity Drwg - Monthly Exp	313.37
PayPal Fee	73.94
Propane Tank	61.30
Secretary of State	5.00
Storage of Equipment - Ann Millard	250.00
Web Site Hosting	114.00
WFD - Propane	47.39
WFD Flowers	30.00
WFD Rental - Tent	150.00
ZOOM subscription	-44.97
TOTAL OUTFLOWS	1,448.71
OVERALL TOTAL	1,111.29

The ORANGE COUNTY AMATEUR RADIO CLUB, INC. RF - VOLUME 64 ISSUE 7 - July 2023

RF - VOLUME 64 ISSUE 7 - July 2023 P.O. BOX 3454 TUSTIN, CA 92781-3454



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