



Intermod

THE WEST COAST AMATEUR RADIO CLUB NEWSLETTER

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WCARC OFFICERS AND HELPERS

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WEST COAST AMATEUR RADIO CLUB, INC.

PO BOX 2617 COSTA MESA CA 92628-2617

<http://www.qsl.net/wcarc/>

<https://www.facebook.com/groups/332448333576994/>.

CLUB MEETINGS: Coastal Community Fellowship 10640 Slater Ave, Fountain Valley
Corner of Slater and Ward. Afterglow at Lamppost Pizza.

TALK-IN ON 145.260 – 136pl

VE TESTING: 5:30 PM meeting nights at the meeting location

WEEKLY NET: Mondays, 6:00 PM on the Fountain Valley RACES repeater, 145.260 –600 136.5pl

INTERMOD is the official publication of the West Coast Amateur Radio Club, Inc. All Intermod articles may be reprinted, provided that credit is given to WCARC INTERMOD.

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VICE PRESIDENTS SIDEBAR



FALL IS IN THE AIR

I am not done with my spring cleaning and fall is here. My wife says it is because my radio “Stuff” is in every drawer in the house and boxes stacked in the garage, so it takes a long time to go thru the “Stuff”. So how did I become this “Hoarder” of radio projects? I have many unfinished radio projects around the house.

Aluminum rod for a Pac 12 antenna, Fort Tuthill 80 Meter QRP kit, parts for a weather satellite receiver with pre-amp and transformers for my Signalink upgrade. When I lived in Oregon and the winter rains started, I would work on the “Projects” and by springtime, they were done. But here in Orange County we have summer all the time with an occasional sprinkle of rain. We take pictures to prove to our friends it rained in OC. I can blame my lack of productivity on the Southern California weather! We have too much to do when it is sunny and so little time for the radio projects.

I did take a break this weekend to read QST and learn about some of the new digital modes using the SharkRF hotspot and the SDRplay RSP2pro software defined receiver. I also checked the internet looking for some frequency generators and frequency meters for a “New Project”. I back engineered the Fort Tuthill QRP radio filters for 40 meters and would like to experiment with the filters before I build. Add another “Project” on my list. I hope our WCARC members are busy working to finish their radio projects. We need speakers for our monthly meetings, so if you have a project you are working on or have finished, think about giving a presentation. Our club needs your active participation if we are to grow.

73's

Jim Miller

K6ARM

A WORD FROM THE EDITOR

Ask yourself; am I ready? For what you say. Ready for the next disaster to hit Southern California. Yes, we are vulnerable to disasters just like Texas and the Caribbean Islands that we are reading about in the daily news. A widespread disaster in Southern California will likely be earthquake or flooding. So, the question is; Are you ready? I'm not referring to the state of your HT batteries; I'm talking about the ability for you and your family to function for at least 72 hours without aid. Have you replenished the fresh water supply? Started that portable generator recently? Checked the contents of you “ready bag”? Don't procrastinate; the next disaster could happen tomorrow!

WC6ARC

RAFFLE REVIEW

By Ken Simpson W6KOS

The September 2017 \$25 HRO door prize winner was Jim Miller K6ARM.

Norman Pulaski WT6Y took home a MSP430 Launch Pad Development Tool, Charles Basmajian KM6KCK won a Yaesu cap. Don Dodge W6SNX won two pair of tweezers. Joe Tom KB6JOE won a Com-Tech 7 function Digital multimeter donated by Jim Miller K6ARM. You can never have too many multimeters! Finally, yours truly won the copy of the 2017 ARRL Handbook donated by Norm WT6Y.

That is all for the September 2017 raffle review. Congratulations to the winners. WCARC appreciates your support of the club raffle.

VE TEST REVIEW

Welcome to the September 2017 VE test review.

There were three candidates for September We ended up with two new Technicians and one new General.

New Technicians

James Dahl – KM6??? – James resides in Irvine.

Alberto Santos – KM6???- Alberto completes the triad of Irvine residents taking his Technician test.

New General

Aaron Mendoza – KJ6DWQ -Aaron came up from Irvine for the test.

Congratulations all! We hope to see you back soon to upgrade, attend a meeting or both.

Thanks to, Rolfe Reinhart KF6VMR, Norm Pilawski WT6Y and Fred Osterman W0PE. I could not do it without you..

ANNOUNCEMENT – NEW HAM BANDS

The FCC announced September 15, 2017 that it would be opening the new 630m and 2200m bands to US operators. These frequencies are to be used on a secondary basis. Before operating, stations must register with the UTC (Utility Technology Council). UTC will verify that there are no PLC (Power Line Carrier) systems running on the same frequencies within 1km. If no response from UTC is received within 30 days of submission, said operator will be clear to operate on these frequencies. You can register online below.

Register With UTC: <https://utc.org/plc-database-amateur-notification-process/>

FORCE OF 50" STEPS UP TO ASSIST HURRICANE-RAVAGED PUERTO RICO

Members of the Amateur Radio community have volunteered to assist in the ongoing recovery from Hurricane Maria, which devastated Puerto Rico and Dominica and, to a lesser extent, the US Virgin Islands. This week, 50 of the most accomplished US radio amateurs responded within 24 hours to a call from the American Red Cross (ARC) to deploy to Puerto Rico and provide emergency communications assistance there. At the ARC's request, ARRL rallied the US Amateur Radio community to provide up to 25 two-person teams of highly qualified hams. ARRL CEO Tom Gallagher, NY2RF, said that more than 350 answered the call, from nearly every state.

"This generous outpouring of response represents the finest qualities of the Amateur Radio community," he said. "These individuals are dropping whatever they are doing now, heading off to an extended hardship-duty assignment, and offering their special talents to Americans who have been cut off from their families, living amid widespread destruction and without electrical power since Hurricane Maria struck the Caribbean region last week."

The group's principal mission will be to move health-and-welfare information from the island back to the US mainland, where that data will be entered in the Red Cross [Safe and Well](#) system. The Salvation Army Team Emergency Radio Network ([SATERN](#)) has been asked to assist these operators when they check in with tactical, health-and-welfare (H&W), and Safe and Well messages.

SATERN and other active nets are not accepting incoming H&W inquiries. The Caribbean Emergency and Weather Net (CEWN) is taking incoming H&W inquiries via e-mail [for Dominica](#). The Puerto Rico Federal Affairs Administration (PRFAA) is taking inquiries (only one per sender) via e-mail [for Puerto Rico](#). Inquiries should include the full name and location of both the sender and the individual(s) being sought and the sender's e-mail address.

The group will be in Puerto Rico for up to 3 weeks. ARRL has Equipped each team with an HF transceiver, software, a dipole antenna, a power supply and all connecting cables, fitted in a rugged waterproof container. In an unprecedented and crucial move, the Federal Emergency Management Agency (FEMA) agreed to help get the Ham Aid gear to Puerto Rico.

The League also is sending two VHF repeaters, a dozen hand-held transceivers, five mobile radios, what Gallagher described as "5 cubic feet of batteries," a number of small 2-kW portable generators, and solar-powered battery chargers. The hams and their equipment will be sent to Red Cross shelters extending from San Juan to the western end of the island.

In addition, ARRL has committed to purchasing up to \$50,000 worth of new Ham Aid gear for this and for future emergencies.

ARRL's Emergency Preparedness Manager Mike Corey, K11U, said this was the first time in the nearly 75-year relationship between ARRL and the ARC that such a request for assistance had been made. "Hurricane Maria has devastated the island's communications infrastructure," Corey said. "Without electricity and telephone, and with most of the cell sites out of service, millions of Americans are cut off from communicating. Shelters are unable to reach local emergency services. And, people cannot check on the welfare of their loved ones. The situation is dire."



HUMOR PAGE

Yesterday my daughter e-mailed me again, asking why I didn't do something useful with my time.

"Like, me sitting around the pool and drinking Lemonade is not a good thing?" I asked.

My "doing-something-useful" seems to be her favorite topic of conversation.

She was "only thinking of me", she said and suggested that I go down to the Senior Center and join something.

I did this and when I got home last night, I decided to play a prank on her.

I e-mailed her and told her that I had joined a Parachute Club.

She replied, "Mother, are you nuts? You are 87. years old and now you're going to start jumping out of airplanes?"

I told her that I even got a Membership Card and e-mailed a copy to her.

She immediately telephoned me and yelled, "Good grief, Mom, where are your glasses?"

This is a Membership to a Prostitute Club, not a Parachute Club."

I calmly replied, "Oh my, I think I'm in real trouble then, because I signed up for five jumps a week!!"

The line went quiet and her friend picked up the phone and said that my daughter had fainted.

Life as a Senior Citizen is not getting any easier, but sometimes it can be real fun.

Just because you're "Young" doesn't mean that you can outsmart an "old Geezer"

Remember: Don't make seniors mad. We don't like being old in the first place, so it doesn't take much to tick us off.

LAST WILL AND TESTAMENT

Doug Pender lived all his life in the Florida Keys and is on his deathbed and knows the end is near. His nurse his wife, his daughter, and two sons are with him.

He asks for two witnesses to be present and a camcorder be in place to record his last wishes, and when all is ready he begins to speak:

"My son, Bernie, I want you to take the Ocean Reef houses."

"My daughter Sybil, you take the apartments between mile markers 100 and Tavernier."

"My son, Jamie, I want you to take the offices over in the Marathon Government Center."

"Sarah, my dear wife, please take all the residential buildings on the bay side on Blackwater Sound."

The nurse and witnesses are blown away as they did not realize his extensive holdings, and as Doug slips away, the nurse says, "Mrs. Pender, your husband

must have been such a hard-working man to have accumulated all this property."

The wife replies, "The jerk had a paper route."

WC6ARC



Monthly Board Meeting at Denny's September 11, 2017

2017 Board Members:

Vacant	TBD	President/Public Information Officer
Jim Miller	K6ARM	Vice President
Jim Hansen	KG6ZDP	Treasurer/Training Officer
Ken Simpson	W6KOS	Secretary/National VE Testing Officer
Norm Pilawski	WT6Y	Past President/Board Member/T-Hunt Tech
Ursula Hartunian	W6UMH	Entertainment Refreshment Specialist
Joe Tom	KB6JOE	Past President/Board Member/Advisor
Donald Dodge	W6SNX	Member at Large

Call meeting to order at 7:00 pm.

Don Dodge was absent.

Minutes of last meeting were posted in the August edition of the Intermod.

Treasurer's Report Jim Hansen - KG6ZDP - \$ 1263.11.

VE Report Ken Simpson – W6KOS Five Technicians, three Generals
and one Extras in Se.

Old Business –

HAMCON Sept 15-17 in Torrance. Anyone plan to go? **All board members except Jim Miller.**

Respond to our senators re Amateur Radio Parity Act, 5, 1534. **Check for new version that is not so Ham friendly.**

Speaker for September meeting? **Jim Miller on test equipment,**

New Business –

Need more speakers, Jim need a break! Check at HAMCON.

Do we want to have some hands-on events at a club meeting? Worth considering.

Upcoming event – HAMCON Sept 15-17 in Torrance. **Check at general meeting for interest in carpooling.**

Holiday party – **Ursula will check Mimi's for reservation.**

Meeting closed at 7:31 PM after a motion by Jim H and a second by Joe.

HAM RADIO OUTLET

14 STORE BUYING POWER!

ICOM



IC-7600 | All Mode Transceiver

- 100W HF/6M Transceiver, gen cov. receiver • Dual DSP 32 bit • Three roofing filters- 3, 6, 15kHz • 5.8 In WQVGA TFT display • Hi-res real time spectrum scope



IC-7200 | HF Transceiver

- 160-10M • 100W • Simple & tough with IF DSP • AGC Loop Management • Digital IF Filter • Digital Twin PBT • Digital Noise Reduction • Digital Noise Blanker • USB Port for PC Control



IC-7100 | All Mode Transceiver

- HF/50/144/430/440 MHz Multi-band, Multi-mode, IF DSP • D-STAR DV Mode (Digital Voice + Data) • Intuitive Touch Screen Interface • Built-in RTTY Functions



ID-5100A | VHF/UHF Dual Band Digital Transceiver

- Analog FM/D-Star DV Mode • SD Card Slot for Voice & Data Storage • 50W Output on VHF/UHF Bands • Integrated GPS Receiver • AM Airband Dualwatch • FM Analog/DV Repeater List Function

ID-51A | VHF/UHF Dual Band Transceiver

- 5/2.5/1.0/0.5/0.1W Output • RX: 0.52-1.71, 88-174, 380-479 MHz • AM/FM/FM-N/WFM/DV • 1304 Alphanumeric Memory Chls • Integrated GPS • D-STAR Repeater Directory • IPX7 Submersible



KENWOOD



TS-590SG | HF/50MHz Transceiver

- Equipped with 500 Hz/2.7 kHz roofing filter as standard • ALG derived from TS-990S eliminating spike issues • Antenna output function (shared with DRV connector) • CW - morse code decoder function



TM-D710G | 2M/440 Dualband

- V-V/V-U/U-U operation • Built-in GPS • Built-in TNC for APRS & DX-Cluster operation • 50W 2M & UHF • 1,000 memories • Dual receive • Green or amber backlight colors • Latest APRS firmware w/new features • Sky Command II remote functions



TM-V71A | 2M/440 Dualband

- High RF output (50W) • Multiple Scan • Dual receive on same band (VxV, UxU) • Echolink® memory (auto dialer) • Echolink® Sysop mode for node terminal ops • Invertible front panel • Choice of green/amber for LCD panel • 104 code digital code squelch



TM-281A | 2 Mtr Mobile

- 65 Watt • 200 Memories • CTCSS/DCS • Mil-Std specs • Hi-quality audio

TH-F6A | 2M/220/440

- Dual channel receive • .1 - 1300 MHz (cell blocked) RX • FM, AM, SSB • 5W 2M/220/440 TX, FM • 435 Memories • Li-Ion Battery



YAESU
The radio



FT-991 | HF/50MHz/2M/440 Transceiver

- 160 M-440MHz - SSB/CW/FM/CFM Digital/AM/RTTY/PSK • 100 W (2M/440: 50 Watts) • 3.5" TFT full-color touch panel operation • High speed spectrum scope • Roofing filters: 3kHz & 15kHz • 32-bit high speed floating point IF DSP



FTDX1200 | 100W HF + 6M Transceiver

- Triple Conversion Receiver With 32-bit Floating Point DSP • 40 MHz 1st IF with selectable 3 kHz, 6kHz & 15 kHz Roofing Filters • Optional FFT-1 Supports AF-FFT Scope, RTTY/PSK31 Encode/Decode, CW Decode/Auto Zero-In • Full Color 4.3" TFT Display



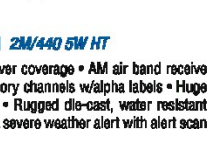
FT-450D | A100W HF + 6M Transceiver

- 100W HF/6M • Auto tuner built-in • DSP built-in • 500 memories • DNR, IF Notch, IF Shift



FTM-400DR | 2M/440 Mobile

- Color display-green, blue, orange, purple, gray • GPS/APRS • Packet 1200/9600 bd ready • Spectrum scope • Bluetooth • MicroSD slot • 500 memory per band



FT-60R | 2M/440 5W HT

- Wide receiver coverage • AM air band receive • 1000 memory channels w/alpha labels • Huge LCD display • Rugged die-cast, water resistant case • NOAA severe weather alert with alert scan



5 Ways to Shop!

- RETAIL LOCATIONS - Store hours 10:00AM - 5:30PM - Closed Sunday
- PHONE - Toll-free phone hours 9:30AM - 5:30PM
- FAX - All store locations
- ONLINE - WWW.HAMRADIO.COM
- MAIL - All store locations

ANAHEIM, CA
(800) 854-6046

OAKLAND, CA
(877) 892-1745

SUNNYVALE, CA
(877) 892-1749

PORTLAND, OR
(800) 765-4267

PHOENIX, AZ
(800) 559-7388

WOODBIDGE, VA
(800) 444-4799

PLANO, TX
(877) 455-8750

BURBANK, CA
(877) 892-1748

SAN DIEGO, CA
(877) 520-9623

NEW CASTLE, DE
(800) 644-4476

DENVER, CO
(800) 444-9476

ATLANTA, GA
(800) 444-7927

SALEM, NH
(800) 444-0047

ONLINE STORE
WWW.HAMRADIO.COM

New Store!

Contact HRO for promotion details. Toll-free including Hawaii, Alaska and Canada. Call will be routed to the nearest store. All HRO 800-lines can assist you. If the first line you call is busy, you may call another. AZ, CA, CO, GA, VA residents add sales tax. Prices, specifications and descriptions subject to change without notice.

WC6ARC



MEMBERSHIP APPLICATION

MAIL TO: PO Box 2617

Costa Mesa CA 92628-2617

CHECK ONE: ☐ NEW MEMBERSHIP ☐ MEMBERSHIP RENEWAL

Today's Date: _____

Applicant Name: _____ Call/Class _____

Address: _____

City / State / Zip: _____

Home Phone: _____ Cell: _____

E-Mail Address: _____

Birth Date: _____ ARRL Member? ☐ Yes ☐ No Occupation _____

Co-Applicant Name: _____ Call/Class _____

Address: _____

City / State / Zip: _____

Home Phone: _____ Cell: _____

E-Mail Address: _____

Birth Date: _____ ARRL Member? ☐ Yes ☐ No Occupation: _____

=====

OK to publish phone numbers in membership roster? (Y or N) Home ☐ Cell ☐

\$ _____ WCARC Membership (\$25.00)

\$ _____ Additional family members (same address) (\$5.00 each)

\$ _____ WCARC Badges (\$8.00 each)

\$ _____ Total enclosed*

*Make checks payable to WCARC, Inc.

WC6ARC

ACTIVITY CALENDAR

2017

Sep 13	Board Meeting
Sep 15-17	HAMCON in Torrance
Sep 21	Monthly meeting
Oct 11	Board Meeting
Oct 19	Monthly meeting
Nov 8	Board Meeting
Nov 16	Monthly meeting
Dec 13	Board Meeting
Dec 21	Monthly meeting (Holiday Party)

WCARC, INC.

PO Box 2617

COSTA MESA CA 92628-2617



DATED MATERIAL

PLEASE DELIVER PROMPTLY