



Intermod

THE WEST COAST AMATEUR RADIO CLUB NEWSLETTER

SEPTEMBER 2017

VOLUME 36

NUMBER 9

WCARC OFFICERS AND HELPERS

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Secretary: Ken Simpson W6KOS

Treasurer: Jim Hansen KG6ZDP

Board Members: Norm Pilawski, Ursula Hartunian

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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.

Publication deadline is the last Thursday of the month in order to be published in the next month's issue.

VICE PRESIDENTS SIDEBAR



HURRICANE HARVEY OR BUST!

My brother-in-law David lives in Houston and escaped the brunt of Harvey's rain and wind by staying at our other house in Woodville. Just his luck, his daughter stayed in Houston and was surrounded by water, no "fast food restaurants" or grocery stores were open! Of course his daughter got a job offer in Miami and had to be there on Tuesday September 5. On the way over from Houston he found one gas station with gas and no groceries till past Louisiana. Now he is in Miami with no gas, no water and no groceries with storm Irma on the way.



HURRICANE IRMA IS COMING

So with all of our technology, radios, weather satellites, flood plain maps: why are we seeing so much damage and loss of life? No one uses Good Ole Common Sense these days. Swamp land is swamp land for a reason, it floods when it rains! When you build your house in the "Flood Plain" you will get flooded sooner or later. Put the garage downstairs and live upstairs. That is what they do in Galveston Texas. When you build your house on fill dirt in a desert wash, the mud will come down the wash and fill your house. Hopefully your house does not burn down from all the brush on the hillside. When the water at the ocean quickly recedes, run for high grounds and not wait to video tape the big tsunami as some did in Japan.

We as amateur radio operator volunteers try to help people in need, but people need to use their "noggins" before the disaster starts. Do I live in safe location? If not, what can I do to protect myself from a potential disaster. Do I have a radio with me? Where's the spare battery and solar battery backup? Is there a pair of walking shoes and water in my vehicle in case I get stranded? Do I have an emergency plan in case the electricity goes out? Be prepared to survive at least a week without outside help. I know I am not fully prepared. What can we do now to be prepared then? As radio operators, we have such a fantastic group of talented individuals who can train and prepare us to weather the next big disaster. With access to radios, satellite communication, weather satellite reception, satellite television, solar power backup to charge cell phones, we should be the go to person in our neighborhood.

73's

Jim Miller

K6ARM

WC6ARC

A WORD FROM THE EDITOR

Well, here it is, September already and the children are back in school and we should be looking for some cooler weather soon. September is also the month when the ARRL VHF contest takes place; more specifically on September 9 thru 11. We also have the Hamcon Southern Division Convention in September, on the 15th thru 17th (see flyer in this edition). So, put on your contest hats and work a few GRID Squares so you can brag about it at the convention.

I enjoyed Jim's presentation on satellite Communications but I think we could benefit from a hands-on demonstration. Hey, board members, get busy on recruiting a speaker from AMSAT to show us how it's done!

RAFFLE REVIEW

By Ken Simpson W6KOS

The August 2017 \$25 HRO door prize winner was Adam Bruno KF6TKK. The Bruno family is working very hard to pay for that new radio.

Ravi Shunmugavel KG6CCB took home a MSP430 Launch Pad Development Tool, Charles Basmajian KM6KCK won the license plate frame he was lusting after. The caption is *Try Ham Radio Talk to the World*. Joe Tom KB6JOE won a copy of the *2017 Repeater Location Guide*. Dick Bruno won a Com-Tech 7 function Digital multimeter. You can never have too many multimeters. Finally, yours truly won the mystery box donated by Joe KB6JOE. The box contained a very nice ARRL cup.

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

VE TEST REVIEW

Welcome to the August 2017 VE test review.

There were nine candidates for August We ended up with five new Technicians, three new Generals, one from scratch and one new Extra.

New Technicians

Daniel Wills –KM6MHW – Daniel resides in Huntington Beach.

Joshua Johnson – KM6MHX – Joshua came over from Costa Mesa for the exam.

Alvin Veroy – KM6HMY – Alvin came down from Fullerton for the test.

Tyson Phillips – KM6MIA- Tyson resides in Anaheim.

Jason Fieffer – KM6MIB - Jason came over from Garden Grove for the test.

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New Generals

Paul Phillips – KM6MIC – Paul lives in Orange which is a good thing since somehow the signature got left off the Technician answer sheet. I guess I am going to have to slip some caffeine in the VE's cookies. Hi Hi.

Terrance Thelan – KM6LNZ – Terrance resides in Costa Mesa.

Greg Turlis – KB6DNS – Greg lives in Huntington Beach.

New Extra

James Norman Sr. – N6JCN – James came all the way up from Laguna Nigel for his Extra.

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

Thanks to, Rolfe Reinhart KF6VMR, Dick Bruno N6ISY, Norm Pilawski WT6Y and Fred Osterman W0PE. I could not do it without you.

AMATEUR RADIO VOLUNTEERS ASSISTING WHERE NEEDED IN HARVEY RESPONSE

Amateur Radio Emergency Service (ARES®) volunteers have been pitching in to support communication at some Red Cross shelters in south Texas in the ongoing aftermath of catastrophic and unprecedented flooding resulting from Hurricane Harvey, now a Tropical Depression. ARES members also have been serving as net control liaisons to the Harris County Office of Emergency Management (OEM). At mid-week, some 3 dozen volunteers were assisting at shelters. Another dozen were on tap to serve as OEM liaisons. ARRL Emergency Preparedness Manager Mike Corey, K11U, said the Red Cross is in need of Red Cross-trained shelter managers and volunteer management specialists. Anyone interested should [contact](#) him.

A variety of emergency, health-and-welfare, traffic, and tactical nets in south Texas have been active on HF at various times of the day as well as on a wide array of VHF and UHF repeaters, which remain available as needed. The Salvation Team Emergency Radio Network (SATERN) has been convening on 14.265 MHz, while the Military Auxiliary Radio Service (MARS) has been using the 5.330.5 (USB) MHz interoperability channel on 60 meters.

"During the storm response, all Amateur Radio operators -- and perhaps especially those involved in contest activity -- are advised to *listen first* and respect any frequencies in use for emergency response communication," Corey said. He cited the SATERN Net on 14.265 MHz and the South Texas Traffic Emergency and Health and Welfare nets on 7.285, 7.290, 3.873, and 3.935 MHz. Digital emergency and health and welfare frequencies are 3.5925 and 7.095 MHz.

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HAMCON 2017 2017 ARRL Southwestern Division Convention

September 15-17, 2017
Torrance Marriott Redondo Beach Hotel
3635 Fashion Way, Torrance, CA 90503

Convention Registration Form

Visit us at: www.hamconinc.org/

All attendees over 18 years old must have a separate paid registration; no charge for registered minors 18 or younger when accompanied by paid Adult registrant.

Call Sign: _____

Last name: _____

First name: _____

Street or mailing address: _____

City: _____

State & ZIP Code: _____

E-mail address: _____

Phone: _____

Additional Attendee #1

Call Sign: _____

Adult: ☐ Minor: ☐

Last name: _____

First name: _____

Additional Attendee #2

Call Sign: _____

Adult: ☐ Minor: ☐

Last name: _____

First name: _____

Additional Attendee #3

Call Sign: _____

Adult: ☐ Minor: ☐

Last name: _____

First name: _____

	Per Person	x	Number	= \$ Total
Early Registration, postmarked by Aug. 15, 2017:	\$20			
Regular Registration, Aug. 16 to Sept. 17, 2017:	\$25			
BEST VALUE: Registration and all three meals	\$135			
Saturday Lunch**: ___# Chicken ___# Vegetarian	\$36			
Saturday Dinner**: ___# Chicken ___# Vegetarian	\$55			
Sunday Breakfast**	\$29			
Battleship Iowa Special Event (bus departs Torrance Marriott at 2:15 pm, Friday, Sept. 15)	\$50			

I want to operate NI6BB station aboard the Iowa ☐

** Each meal has a special prize drawing exclusively for attendees

Each Adult paid Early Registrant receives one ticket for the Early Registration Prize drawing. All Adult paid registrants receive two free Prize Drawing tickets.

Total Amount Paid:

Cash

Check

Please send Registration Form and Check to:

For HAMCON staff use:

Registration received by: _____

Date received & registration #: _____

Amount received: \$ _____

HAMCON Inc.

c/o Margie Hoffman, KG6TBR

21612 Grovepark Dr.

Santa Clarita, CA 91350



Dear Ma and Pa,

I am well. Hope you are. Tell Brother Walt and Brother Elmer the Marine Corps beats working for old man Minch by a mile. Tell them to join up quick before all the places get filled up.

I was restless at first because you get to stay in bed till nearly 6 a.m. But I am getting used to sleeping late now. Tell Walt and Elmer all you do before breakfast is smooth your bunk and shine some stuff. No hogs to slop, feed to pitch, mash to mix, wood to split, fire to lay. Practically nothing.

Men got to shave but it is not that bad, because there's warm water here. Breakfast is strong on trimmings like fruit juice, cereal, eggs, bacon, etc., but kind of weak on chops, potatoes, ham, steak, fried eggplant, pie and other regular food, but tell Walt and Elmer you can always sit by the city boys that live on coffee. Their food, plus yours, holds you until noon when you get fed again. It's no wonder these city boys can't walk much.

We go on "forced marches," which the platoon sergeant says is necessary to harden us. If he thinks so, it's not my place to tell him different. A "forced march" is about as far as to our mailbox at home. Then the city guys get sore feet and we all ride back in big trucks.

The sergeant is like a school teacher. He nags a lot. The Captain is like the school board. Majors and colonels just ride around and frown. They don't bother you none.

This next will kill Walt and Elmer with laughing. I keep getting awards for shooting. I don't know why. The bulls-eye is near as big as a chipmunk head and don't move, and it ain't shooting at you like the Higgett boys at home. All you got to do is lie there all comfortable and hit it. You don't even load your own cartridges. They come in boxes.

Then we have what they call hand-to-hand combat training. You get to wrestle with them city boys. I have to be really careful though, they break real easy. It ain't like fighting with them boys back home. I'm about the best they got in this except for that Tug Jordan from over in Silver Lake. I only beat him once. He joined up the same time as me, but I'm only 5'6" and 130 pounds and he's 6'8" and near 300 pounds dry.

Be sure to tell Walt and Elmer to hurry and join before other fellers get onto this setup and come stampeding in.

Your loving daughter,

Alice

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Monthly Board Meeting at Denny's --- July 12, 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 7:01 pm.

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

Treasurer's Report Jim Hansen - KG6ZDP - \$ 1183.20

VE Report Ken Simpson – W6KOS Three Technicians and three Extras in June.

Old Business –

Collecting monthly dues as club is continuing, Jim Hansen handling.

"A Day in the Park" event should be held in Mile Square Park, July 23 at 10 am. The club will provide a barbeque, meat and water.

Still looking for speakers. Maybe Slow Scan TV or Mesh Node.

Possible "Radio Auction" / "Radio Garage Sale" for the August Club Meeting,

New Business –

How was response to HRO – Han Jam? Crowd was down somewhat because of the heat.

Upcoming event - Club Summer Picnic July 23, 2017 @ 19 am. Need maps, Barbeque, burgers, buns, dpgs, water.

Upcoming event – HAMCON Sept 15-17 in Torrance.

Possible club "Garage Sale in August?

Meeting closed at 7:33 PM after a motion by Norm 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 • 6.8 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



IC-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

IC-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 • ALC 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-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/CAFM 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



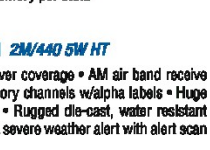
FT-450D | A100W HF + 6M Transceiver

- 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.

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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