



The Ventura Amateur Radio Club, K6MEP, will hold its next regular meeting at 7:30 PM on Friday, September 13th, 2019 at the historic Dudley House, 197 N. Ashwood, Ventura CA 93003, at the corner of Loma Vista and Ashwood; 34d 16m 13.67s N 119d 14m 43.24s W; Grid Square DM04jg; (see map pg. 20). The Board Meeting precedes the General Meeting.

September's Guest Speakers



Topic - Vacuum Tubes



Topic - -Vacuum Tube Testers

Ventura County Amateur Radio Club 2019 Officers and Chairs

President	Robert Shank	KM6RSS
Vice-President	Richard Abbey	WB6AEW
Secretary	Phil Cohen	WA6BUZ
Treasurer	John Gartman	W6JPG
Board Member	Stewart Stone	KG6BOV
Board Member	Rod Austin	KA6GSU
Board Member	Steve Noll	WA6EJO
Photographer	Stewart Stone	KG6BOV
Facilities Mgr.	Richard Abbey	WB6AEW
Editor/ Pub.	Stewart Stone	KG6BOV
PR chairman	Dana Wentling	KG6WXE
Programs Chair	Steve Noll	WA6EJO
Webmaster	Robert Shank	KM6RSS
Domain Mgr.	Phil Cohen	WA6BUZ
New Members	Bob Brodie	KJ6AAE
License Trustee	Stewart Stone	KG6BOV
QSL Manager	Ben Holmes	K6QV
Safety Officer	Bob Brodie	KJ6AAE

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The **KEYER** is published monthly by K6MEP, the Ventura County Amateur Radio Club, Inc. as a means of providing club members the minutes from K6MEP's monthly general membership meetings, the monthly board of directors' meetings, a calendar of events and articles of interest on amateur radio. Layout and logos are the property of The Ventura County Amateur Radio Club, K6MEP. The stories printed in this journal remain the property of the writers, without whom we would not have a publication. Permission to reprint articles should be obtained from the authors. Articles from the ARRL are reproduced with permission. Material submitted for inclusion is encouraged. Submit material by e-mail to KM6RSS@gmail.com. Our club mailing address is **K6MEP, PO Box 2103 Oxnard, CA 93034-2103**

K6MEP holds general membership meetings at 7:30 PM on the 2nd Friday of each month. Dues are \$20 per year.

Message from the President

The Prez Sez,

All Ventura County schools are (finally) back in session, the County Fair (and Surf Rodeo) is over and quiet is once again heard (not heard?) in most neighborhoods. All of this reminds me of Wallace Stegner's and his "Angle of Repose" a Pulitzer Prize-winning novel that is a story of discovery—personal, historical, and geographical. In it he says:

"[T]hat old September feeling, left over from school days, of summer passing, vacation nearly done, obligations gathering, books and football in the air ... Another fall, another turned page: there was something of jubilee in that annual autumnal beginning, as if last year's mistakes had been wiped clean by summer."

For our family, this temporary peace won't continue. My next-door neighbor, who had his pool built from July 25th 2018 to January 27, 2019, has decided to jack-hammer his patio out of existence, and extend his roof to the new pool and patio. We now have an outhouse and dumpster next to our driveway to come home to. And another house across the lane will be demolished in the next several weeks so we will have a cacophony of noise to deal with (just like the noise I deal with when I try to check-in on the Tuesday evening 40 meter county net).

Looking backward:

At our club meeting on August 9th, Rob Hanson W6RH presented his talk about emergency communications. He stated that despite the development of very complex, modern communications systems, or maybe because they are so complex, Amateur Radio has been called into action to provide communications when it really matters. Hams are well known for communications **(cont. on page 3)**

(The Prez Sez cont. from page 2)

support in disaster and post-disaster situations, but we can only do that if we are prepared. Are you ready?

Our K6MEP Monday Night Net Check-in contest (running from March 4th to December 9th), is continuing with a nice increase in the number of members who check-in (as of September 12th we had a total of 253 check-ins with an overall group average of 10.54). Clem still maintains the lead (so far) with the best record of 23 check-ins. The winner will be announced at the DecemberFest dinner on December 13th.

Looking Forward:

To celebrate fall, we have our K6MEP annual autumnal picnic on the 14th. Everyone is invited; bring gear, food and drink and your Ham radio interests to the Dudley House between 10am and 4pm. The club will purchase hot dogs/chili dogs and teriyaki chicken and Mark KI6YLH will bring the club griddle and his culinary talents to cook up the food.

Our next meeting is on September 13th. Our guest speakers are Steve Hudson KI6BSQ and Robert Shank KM6RSS. Steve will discuss vacuum tube technology and Robert will present the exciting world of tube testers (a.k.a. how to spend lots of money on old technology). As a reminder, we are collecting yearly dues and asking everyone to consider running for a club office. Our DecemberFest dinner is not that far off and we are asking everyone to nominate their favorite restaurant as a venue for that date (December 13th). An evaluation spreadsheet has been created and posted on our groups.io

(https://groups.io/g/K6MEP/topic/potential_decemberfest_venues/32684483?p=,,,20,0,0,0::recentpostdate%2Fstck,,,20,2,0,32684483) website. For example, the venue needs to be available for a December 13th evening reservation, should be reasonably priced with good main course selections, and should have a separate meeting room.

Safety Share:

September's safety share is from <http://safety.ucanr.edu> and the focus is on Electrical Safety. "According to information from the Electrical Safety Foundation International, every year electrical accidents cause approximately 165,000 electrical fires, 900 deaths, and 7,000 injuries. Electrical accidents can be prevented by understanding how electricity works and recognizing potential hazards.

Basic Electrical Safety Practices

- Remove frayed, defective, or damaged power cords/plugs, receptacles, switches, cover plates, appliances, and power tools from service by attaching a red tag that states "DO NOT USE."
- Complete red tag with appropriate information and notify your family.
- Always insert plugs into receptacles with similar prong or blade patterns.
- Never alter a plug by removing, bending, or twisting the prongs or blades.
- Flickering/dimming lights, tripped circuit breakers, blown fuses, and warm receptacles or electric cords are signs of potentially overloaded circuits.
- If a circuit appears to be overloaded, reduce the load by disconnecting appliances or power tools from the circuit. **(cont. on page 4)**

(The Prez Sez cont. from page 3)

- A 15 amp circuit should not exceed a 1,500 watt load and a 20 amp circuit should not exceed a 2,000 watt load when used less than three hours. For more than three hours of continuous use, a 15 amp circuit and 20 amp circuit may not exceed 80% of their load or 1440 watts and 1,920 watts, respectively, unless the circuit breakers are rated and marked for 100% load.
- Never touch energized power tools or appliances that are wet or lying in water. (cont. on page 4)
- Always de-energize wet tools or appliances before touching.
- Do not yank on power cords to disconnect equipment. Always grip the plug when disconnecting equipment.
- Never replace a correctly-sized fuse with a larger-sized fuse.
- Ground fault circuit interrupters (GFCIs) should be used whenever electricity and water are within six feet of each other. GFCIs should also be used with temporary wiring “during maintenance, remodeling, or repair of buildings, structures, or equipment or during similar activities” involving construction.
- A grounded three-prong adapter shall be used to connect a three-prong plug to a two-prong receptacle.
- Always be aware of the electrical hazards present in your work area.
- Plug power strips directly into wall outlets. Do not daisy chain two or more together to increase length.”

See you all at the lucky Friday the 13th of September club meeting at the Dudley House with your ideas, energy, and Ham Radio experiences!

73,

Robert Shank KM6RSS

President, VCARC



Rob Hanson W6RH August 2019 Presentation Emergency Preparedness

Secretary's Column and Meeting Minutes

Ventura County Amateur Radio Club Inc. Club Meeting
Meeting Date: 8/9/19

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K6MEP Keyer September 2019 / K6MEP.org / www.qsl.net/k6mep/ K6MEP@groups.io
www.facebook.com/pg/K6MEP <https://mewe.com/group/5c3a7611268c652cbe76709a>

GENERAL MEMBERSHIP MEETING MINUTES

MEETING ADDRESS: Dudley Historical House, Ventura

ATTENDANCE: Listed on Roll Check-In Sheet

CALL TO ORDER 19:30

MEETING MINUTES

Robert Shank KM6RSS presided at the meeting

Opened meeting with Pledge of Allegiance

Introductions

Robert made introductions, thanked new members for joining and the guests for attending. He mentioned that Bob Brodie KJ6AAE is our “new member chairperson” and Safety Officer and would be happy to help them fill in a membership application. Steve W6EJO and John W6JPG has application forms and you can find them in any edition of the Keyer as well as on our website, K6MEP.org.

Stewart Stone, board member, updated everyone on his status.

Break 19:48 – 15 minutes to set up equipment for Rob Hanson

August’s guest speaker was Rob Hanson W6RH. Rob is the Ventura County ACS Radio Officer as well as the Ventura County ARES District Emergency Coordinator. Rob holds an Extra class Amateur License as well as a General Radiotelephone License, serves as the Radio Officer for the Ventura County Sheriff’s Office of Emergency Services and is also the District Emergency Coordinator for the Amateur Radio Emergency Service.



Photo above: Everyone is attentive during Rob’s presentation.

Break – 5 minutes to remove equipment used by Rob Hanson

ANNOUNCEMENTS

Status report on Stewart Stone by Stewart Stone

OLD BUSINESS

K6MEP Monday Night Contest Status – Phil WA6BUZ. Clem is leading with 22 check-ins.

NEW BUSINESS

Discussed a location (Dudley House) and the date (Sept. 14) for the fall club picnic.

(Cont. on page 6)

(Secretary's Column and Meeting Minutes cont. from page 5)

Discuss non-club member access to K6MEP groups.io.

Discuss and approve a location (Dudley House) and date (Sept. 14) for the fall club picnic.

Discuss possible venues for Decemberfest (Carrow's has closed). Ask for volunteers to organize and investigate venue. Requirements; separate room, podium, selection of three or more entrees, etc.

Entertain motion by members to discuss expenditure for venue-only related costs. Discussed amount limitations (e.g. pay Four Points Sheraton \$300 for the reservation, use of the room and podium not including the cost of the meals).

Break 19:48

August 2019

5: K6MEP Monday Night Net

9: Regular Monthly Club Meeting at 7:30pm. K6MEP Board meeting precedes the club meeting at 7:00pm

12: K6MEP Monday Night Net

August 17-18 Wings over Camarillo

19: K6MEP Monday Night Net

26: K6MEP Monday Night Net

Everyone was invited to join us for pizza and camaraderie at Toppers. Our next meeting is scheduled for September 13th and Steve Hudson KI6BSQ and Robert Shank KM6RSS will be speaking about vacuum tubes and tube testers.

Roll Call Total attendance: 27 Guests:5

Meeting Adjourned (21:02)



**Photo Above: Stewart Stone KG6BOV describing his vision
(cont. on page 6)**

(Secretary’s Column and Meeting Minutes cont. from page 5)

EXECUTIVE BOARD MEETING MINUTES

MEETING ADDRESS: Dudley Historical House, Ventura

OFFICER ATTENDEES:

OFFICE	LAST	FIRST	CALL SIGN	PRESENT
PRESIDENT	SHANK	ROBERT	KM6RSS	X
VP	ABBEY	RICHARD	WB6AEW	X
TREASURER	GARTMAN	JOHN	W6JPG	X
SECRETARY	COHEN	PHIL	WA6BUZ	X
BOARD	AUSTIN	ROD	KA6GSU	X
BOARD	STONE	STEWART	KG6BOV	X
BOARD	NOLL	STEVE	WA6EJO	X

Robert KM6RSS opened the board meeting at 19:01 PM and welcomed/acknowledged the board members.

Status report on Stewart Stone by Stewart Stone KG6BOV.

Secretary’s report; approved minutes; discussed action/update status on all July through August business items:

MONTH	ITEM	DESCRIPTION	DATE	DATE	OFFICER	STATUS
JUL	1	Post Office Box rent payment	Write check Pay for box rent	07/30/14	Treas	
AUG	1	Nominate officers for Nov. election.	Members nominate	Open nominatio n	Members	
AUGUST	2	Send out annual dues notice to members.	Publish in Keyer, send email. USPS.	1st Fri. of month	Keyer editor, Pres./Trea s/ Sec?	
AUGUST	3	Begin filing period for CA Form SI-100	E-file Fall 2012, 2014, 2016, 2018....etc \$20. fee	01/29/13	Secretary	

Club member status – Secretary’s update of membership list based on Treasurer’s membership payment receipts; moving all non-paying members to “non-paid” status and passing list to Bob Brodie, the club’s “new membership” chair. Bob will contact delinquent members and solicit payment. Secretary announced no new members since last meeting and total of 56 paid memberships.

Treasurer’s report. John read the banking report

(Secretary’s Column and Meeting Minutes cont. on page 8)

(Secretary's Column and Meeting Minutes cont. from page 7)

Old Business:

Bob KJ6AAE briefly discussed the kits and gave Richard Abbey one to be stored at Dudley House and the other with the safety officer to be used during Field Day and any other club outing.

Update on K6MEP.org website Phil WA6BUZ; continuing to build.

NEW BUSINESS

Club post office box (located at 2520 Saviers Rd Oxnard, CA 93033-9998). Phil WA6BUZ, our secretary, is assigned to keep one of the keys and check the PO Box regularly. The other key is being held by the current club president.

All new applications will go to the new membership chairman for vetting. Once approved, the payment is sent to the treasurer, the application is sent to the secretary to be added to the membership role and the treasurer provides a receipt to the new member, with a copy for the club's records. The secretary will keep a membership role (an Excel spreadsheet) on the new website with limited access. The social media manager (currently the president), membership chairman, and treasurer will be given access. A club ID badge will be made by Robert KM6RSS in his role and social media chair.

Discussed and made a motion to place before the general members a location (Dudley House?) and date (Sept. 14 or 21, waiting on approval from Dudley House board) for the fall club picnic.

Discussed non-club member access to K6MEP groups.io. Nonmembers won't be given access.

Discuss submitted venues for Decemberfest and review evaluation criteria sent to everyone. Members will use Groups.io for evaluation spreadsheet. Entertain motion by board to discuss expenditure for venue-only related costs after a venue is selected.

Board Meeting Adjourned (19:24); Proceeded to General Membership Meeting



(Members of the Board in Action)

Selected Contests & Special Events

The following contests and special events caught your editor's eye. This is by no means a complete list.

September 2019

14-16 September VHF Objective: For amateurs in the US and Canada (and their possessions) to work as many amateur stations in as many different 2 degrees x 1 degree Maidenhead grid squares as possible using authorized frequencies above 50 MHz. Stations outside the US & Canada (and their possessions) may only work stations in the US (and its possessions) and Canada. All legal modes are permitted (while CW and SSB/Phone are most common, MSK144, FT8 and FM-Only are gaining popularity - other popular modes include PSK31, FSK441 and JT65). For Cabrillo file mode definitions, Digital modes should be represented as "DG" (for all things digital) or "PH" or "RY" can also be used as digital modes are transmitted via Phone audio. Stations in KH0-9, KL7 & KP1-KP5, CY9 and CY0 count as W/VE stations and can be worked by DX stations for contest credit.

09/21 Remembering Chiricahua Apache Warrior Geronimo
1600Z-2100Z, K7T, Tucson, AZ. Oro Valley ARC. CW: 14.040 7.035; SSB: 14.250 7.200. Certificate. Email qsl@tucsonhamradio.org, for, na, certificate. No paper QSL's please. tucsonhamradio.org

21-22 10 GHz & Up - Round 2. The objective of 10 GHz and Up is for North American amateurs to contact as many amateur stations in as many different locations as possible in North America on bands from 10-GHz through Light. Amateurs are encouraged to operate from more than one location during this event. See the detailed rules for restrictions.

21-22 EME - 2.3 GHz & Up. To work as many amateur stations as possible via the earth-moon-earth path on any authorized amateur frequency above 50 MHz.

09/28 | Grand Canyon Centennial Event

Sep 28-Oct 6, 0701Z-0700Z, K7G, Grand Canyon, AZ. Northern Arizona DX Association. 14.225 14.074 7.175 7.074. Certificate & QSL. Jack Lunsford, P.O. Box 3840, Flagstaff, AZ 86004. Celebrating Grand Canyon National Park Centennial 1919-2019 from Historic Desert View Watchtower www.nadxa.com



Photo credit AL1VE

Available Gear

Yaesu FT-8 and accessories for sale

Please contact Ron K16YAX
vccert1@gmail.com



From the WT6JS Donation

Yaesu VX-3R, HT Dual Band 2m/440 whip antenna
w/2 chargers, manual
3 HT Dual Band 'Rubber Duck' antennas
4" external speaker w/mag mount
Mag mount system for large mobile HF antenna
Arrow Handheld Yagi Dual Band Antenna

Please contact Stewart KG6BOV
Kg6bov@arrl.net

Looking for Antenna Instructions and manuals

Looking for antenna instruction and manuals for pre-1995 VHF and UHF antennas.

Hy-gain, Cushcraft, KLM are the big manufacturers, but there were dozen of little ones (K1FO, K2RIW, Tronna). Would like to start a repository of antenna manuals.

Manuals will be copied and originals will be returned. The copies will be posted on the web for use by everyone. Have needed the manuals for two 2 meter antennas recently and cannot find them.

Denney N6HV /

denney@denneypistole.com

Equipment Tech and Operator Manuals

I have a large collection of radio tech manuals and operator manuals from Alinco / Icom / Kenwood / Yaesu and others. All are PDF format.

Stewart
KG6BOV@arrl.net

Upcoming FCC Exam Session Preparations

ON EXAM DAY BRING THE FOLLOWING ITEMS:

1. A legal photo ID (driver's license, passport). 2
2. When no photo ID is available, two forms of identification must be presented: a. non-photo ID/driver's license (some states still have them) b. birth certificate (must have the appropriate seal) c. social security card d. library card e. utility bill, bank statement or other business correspondence that specifically names the person; or a postmarked envelope addressed to the person at his or her current mailing address as it appears on the Form 605.
3. Students may bring any of the above items and/or a school ID, minor's work permit, report card, or a legal guardian may present a photo ID.
4. Bring your Social Security Number (SSN) or your FCC issued Federal Registration Number (FRN). VEC's are required by FCC to submit either your SSN or your FRN number with your license application form. If you prefer not to give your SSN, then you may use
(cont. on page 11)

(Upcoming FCC Exam Session Preparations cont. from page 10)

5. your FCC issued FRN, if you have one. For instructions on how to register your SSN with the FCC and receive a FRN, visit the FCC's FAQ page and the FCC's registration instructions page.
6. If applicable, bring the original and a photocopy of your current Amateur Radio license and any Certificates of Successful Completion of Examination (CSCE) you may hold from previous exam sessions. The photocopy(s) will not be returned.
7. Two number two pencils with erasers and a pen.
8. 7. A calculator with the memory erased and formulas cleared is allowed. You may not bring any written notes or calculations into the exam session. Slide rules and logarithmic tables are acceptable, as long as they're free of notes and formulas. Cell phone must be silenced or turned off during the exam session. The phones' calculator function may not be used.
9. Bring a check, a money order or cash to cover the exam session fee(s). Check the ARRL VEC's current exam fee. They are normally \$15.00.

License Preparation and Sample Test Sites

LICENSING CLASS
Agoura Hills CA 91301

Start/End Dates: 10/20/2019 - 10/20/2019
Times: 0900-1600
of Sessions: 1
Class level: Technician
Morse code offered: No
Pre register required: Yes
Fee: 75
Pre Study required: Yes
Class Type: Weekend/One Day
Exam offered: Yes
Sponsoring Club/Organization: Quality Matrix International, Inc.
Instructor: K6YXH
Contact: Norm Goodkin K6YXH
Phone: (818) 222-7013
Email: hamclass@goodkin.net
Location: Agoura Hills/Calabasas Community Center
27040 Malibu Hills Road
Agoura Hills, CA 91301

Thousand Oaks CA 91360

LICENSING CLASS

11/02/2019

Start/End Dates: 11/02/2019 - 12/07/2019
Times: 8:00AM - 1:00PM
of Sessions: 5
Class level: Extra
Morse code offered: No
Pre register required: No
Fee: 0
Pre Study required: No
Class Type: Traditional
Exam offered: No
Sponsoring Club/Organization: Conejo Valley Amateur Radio Club
Instructor: K6VQN
Contact: Kathryn Hunley K6VQN
Phone: (805) 218-3277
Email: k6vqn@arrl.net
Location: East Ventura County Sheriff's Station
2101 East Olsen Road
Thousand Oaks, CA 91360
Additional Information: Pre-registration not required but appreciated. Exam session is 12/08/2019.

Upcoming FCC Exam Sessions

09/07/2019

Sponsor: ARES LAX

Date: Sep 07 2019

Time: 11:00 AM (Walk-ins allowed)

Contact: James W. Laage
(818) 368-8719

Email: cllaage@verizon.net

VEC: [ARRL/VEC](#)

Location: Valley Presbyterian Hospital (Health Education Center)

15107 Vanowen Street

Van Nuys CA 91405-4542

9/14/2019

Sponsor: The PAPA system

Date: Sep 14 2019

Time: 7:00 AM (No Walk-ins / Call ahead)

Contact: Norm Goodkin
(818) 222-7013

Email: hamclass@goodkin.net

VEC: [Greater LA VEC](#)

Location: Spitfire Grill Restaurant
3300 Airport Ave

<http://papasys.org>

Pre-registration required

Santa Monica CA 90405-6130

10/13/2019

Sponsor: Conejo Valley ARC

Date: Oct 13 2019

Time: 8:30 AM (Walk-ins allowed)

Contact: Jeffrey M. Reinhardt
(818) 706-3853

Email: aa6jr@arrl.net

VEC: [ARRL/VEC](#)

Location: Ventura Cty Sheriff's E County Station
2101 E Olsen Rd

Betw 23 Hwy & Reagan Library

Community Room

Thousand Oaks CA 91360-6861

Photo to the right: Everyone is attentive during Rob's presentation.

10/19/2019

Sponsor: Pine Mountain ARC

Date: Oct 19 2019

Time: 12:00 PM (Walk-ins allowed)

Contact: William P. Hopper
(805) 290-7407

Email: imab6cf@gmail.com

VEC: [ARRL/VEC](#)

Location: Frazier Park Library

3732 Park Dr

Frazier Park CA 93225

10/20/2019

Sponsor: Goodkin Ham Radio Classes

Date: Oct 20 2019

Time: 2:30 PM (No Walk-ins / Call ahead)

Contact: Norm Goodkin
(818) 222-7013

Email: hamclass@goodkin.net

VEC: [Greater LA VEC](#)

Location: Agoura Hills/Calabasas Community Center

27040 Malibu Hills Rd

Agoura Hills CA 91301-5332

Trivia for September 2019

1. As of 8/20/2019.

573 humans have been in outer space?

2. The caffeine remove from coffee is used in energy drinks like Red Bull?

3. Americans consume about 5,270,000 pickles yearly?

DE Dana KG6WXE

Photo Below: Everyone was interested in Rob's talk



K6MEP Net Script

QST- QST- QST. This is <Name> <Callsign>, with the Ventura County Amateur Radio Club Net.

If there is there any station with EMERGENCY or PRIORITY Traffic that needs the immediate use of this frequency, please come now.

Hearing none, the following is a QST. This is <Name> <Callsign>, tonight's net control station for the Ventura County Amateur Radio Club Net. If, at any time during tonight's net, anyone needs this frequency for emergency or priority traffic, please call net control, and we will respond appropriately.

This is a directed, open net for all amateur radio operators, sponsored by K6MEP, the call sign for VCARC. This net begins each Monday evening at 20:00 local time on the WD6EBY linked repeater system. The primary frequency of this net is 145.200 MHz with a minus offset and a PL of 127.3 Hz. If the repeater should fail for any reason, we can use South Mtn. 146.385 plus offset and a PL of 127.3 as backup. All amateurs are welcome to check in after these announcements. A roundtable will follow the open check-in. A rag chew session may follow the formal net.

K6MEP, the Ventura County Amateur Radio Club, meets at 19:30 hours on the second Friday of each month at The Dudley House, 197 N Ashwood Ave, Ventura, CA 93003. The next meeting date is <say next meeting date from calendar>. We urge any non-members interested in VCARC to contact our Secretary, Phil Cohen, WA6BUZ email at K6MEP@qsl.net.

As we continue with the check-in process, please give your call sign, name and if you are a VCARC member. If you are not a member of the VCARC, please include your QTH or location.

(Check-ins completed): We will now begin with our Roundtable ***** Any last comments? ***** Any late, missed, or visitor check-ins? Please check-in now.

(Closing): This concludes the VCARC weekly net at ____ hours. Thank you for your interest and participation. Also thanks to Paul Strauss, WD6EBY, for the use of the repeater for our K6MEP net.

73, this is <Name> <Callsign>, tonight's VCARC net control, signing off.

K6MEP Calendar

September 2019

2: Labor Day and K6MEP Monday Night Net

3: ACS/ARES Tuesday Night Net

9: ACS/ARES District Meeting T.O. Civic Arts Plaza Oak Room and K6MEP Monday Night Net

10: ACS/ARES Tuesday Night Net

13: Regular Monthly Club Meeting at 7:30pm. K6MEP Board meeting precedes the club meeting at 7:00pm

16: K6MEP Monday Night Net

17: ACS/ARES Tuesday Night Net

23: K6MEP Monday Night Net

24: ACS/ARES Tuesday Night Net

30: K6MEP Monday Night Net



Upcoming Hamfests and Conventions

Radio Society of Tucson Autumn Hamfest

Start Date: 09/28/2019 **End Date:** 09/28/2019 **Location:** Target Store North Parking Lot 9615 East Old Spanish Trail Tucson, AZ 85701 **Website:** <http://www.k7rst.org> **Sponsor:** Radio Society of Tucson **Type:** ARRL Hamfest **Talk-In:** 146.800 (PL 156.7) **Public Contact:** Joe Statkevics , K3TYE 11538 East Golf Links Road Tucson, AZ 85730 Phone: 520-365-3570 **Email:** joestat4@msn.com

San Diego Hamfest and Preparedness

Start Date: 10/05/2019 **End Date:** 10/05/2019 **Location:** Lakeside Rodeo Grounds 12584 Maplevue Street Lakeside, CA 92040 **Website:** <http://www.lakesidearc.org/sdhamfest/sdhamfest.php> **Sponsor:** Lakeside Amateur Radio Club **Type:** ARRL Hamfest **Talk-In:** 146.55 **Public Contact:** Paul Rios , KC6QLS 12207 Valhalla Drive Lakeside, CA 92040 Phone: 619-593-9445 **Email:** KC6QLS@cox.net

TARA Swapfest

Start Date: 10/05/2019 **End Date:** 10/05/2019 **Location:** Rumsey Park Ramada #4 400 North McLane Road Payson, AZ 85541 **Website:** <http://tontoradio.org> **Sponsor:** Tonto Amateur Radio Association **Type:** ARRL Hamfest **Talk-In:** 147.39 (PL 100) **Public Contact:** Bruce Johnson , N7DDT 318 N Rim Trail Road Payson, AZ 85541 Phone: 928-474-4154 **Email:** stretch8@q.com

PACIFICON 2019

Start Date: 10/18/2019 **End Date:** 10/20/2019 **Location:** San Ramon Marriott 2600 Bishop Drive San Ramon, CA 94583 **Website:** <http://www.Pacificon.org> **Sponsor:** Mount Diablo Amateur Radio Club **Type:** ARRL Convention **Talk-In:** 147.060 (PL 100) **Public Contact:** Debbie Deeble , SWL P.O. Box 31372 Walnut Creek, CA 94598 Phone: 925-288-1730 **Email:** info@pacificon.org

CopaFest 2019

Start Date: 10/26/2019 **End Date:** 10/26/2019 **Location:** Ultrastar at Ak-Chin Circle 16000 North Maricopa Road Maricopa, AZ 85238 **Website:** <http://www.copafest.org> **Sponsor:** Maricopa Amateur Radio Association, inc. **Type:** ARRL Hamfest **Talk-In:** 449.125 (PL 136.5), 145.210 (PL 162.2) **Public Contact:** Bob Howard , W8RH 35881 West Catalan Street Maricopa, AZ 85138 Phone: 520-709-6176 **Email:** w8rh@live.com

Oro Valley Amateur Radio Club Hamfest

Start Date: 11/09/2019 **End Date:** 11/09/2019 **Location:** Marana Middle School 11285 West Grier Road Marana, AZ 85653 **Website:** <http://tucsonhamradio.org> **Sponsor:** Oro Valley Amateur Radio Club **Type:** ARRL Hamfest **Talk-In:** 146.62, 444.1, 147.32, 447.525 (PL 156.7) **Public Contact:** Steven Wood , W1SR 6219 N. Via de la Tortola Tucson, AZ 85718 Phone: 520-906-1204 **Email:** W1SR@ARRL.NET

SuperFest

Start Date: 12/07/2019 **End Date:** 12/07/2019 **Location:** Mesa Community College 1833 W. Southern Avenue Mesa, AZ 85201 **Website:** <https://superstitionsuperfest.org> **Sponsor:** Superstition Amateur Radio Club **Type:** ARRL Hamfest **Talk-In:** 147.120+ (PL 162.2), 446.900- (PL 100) **Public Contact:** John Wolven , KG7NAP 2263 W. Olla Avenue Mesa, AZ 85202 Phone: 480-980-0502 **Email:** info@superstitionsuperfest.org



Emergency and Volunteer Training

Some excellent emergency and volunteer training is available through the American Red Cross of Ventura County, FEMA and the American Radio Relay League.

Red Cross Courses

The following is a list of locally available Red Cross courses and a current schedule of classes over the next two months. Enroll by calling the Red Cross Chapter House at 805-987-1514 Ext 320 leaving your name, course code and telephone number. If you are interested in a class not currently scheduled call to be placed on a waiting list for the next scheduled date.

Note: The classes **Fulfilling Our Mission** and **Introduction to Disaster Services** are required for all Red Cross classes if you are not currently registered as a Red Cross Volunteer.

For training class registration, call: 805-987-1514 Ext 320.

Course schedule and descriptions:

<http://www.arcventura.org/DSCourseDescriptions.html>

http://www.arcventura.org/contact_us.html

COLLABORATING TO ENSURE EFFECTIVE SERVICE DELIVERY(ARC3089-4)
COMMUNITY SERVICES OVERVIEW (ARC 3068-1)
DISASTER ASSESSMENT (ARC 3067-1)
DISASTER HEALTH SERVICES: OVERVIEW (3076-1F)
DISASTER HEALTH SERVICES SIMULATION (ARC 3076-2F)
DISASTER MENTAL HEALTH SERVICES (ARC 3077-1F)
DISASTER MENTAL HEALTH: AN OVERVIEW (ARC 3077-2)
DISASTER WELFARE INQ.:CONNECTING YOUR COMMUNITY(ARC 3085-1)
DISASTER WELFARE INQUIRY SIMULATION (ARC 3085-2)
EMERGENCY OPS CENTER/INCIDENT COMMAND LIAISON (ARC 3089-5)
ERVs: READY, SET, ROLL (ARC 3068-4)
FAMILY SERVICES: PROVIDING EMERGENCY ASSISTANCE (ARC 3072-1)
FINANCIAL STATISTICAL INFORMATION MANAGEMENT (ARC 3078-2)
HUMAN RESOURCES IN DISASTER (ARC 3087-3F)
LOGISTICS: AN OVERVIEW (ARC 3087-1)
LOGISTICS SIMULATION (ARC 3071-2)
MANAGING TOTAL DIVERSITY
MASS CASUALTY DISASTER (ARC 3079 1F)
PUBLIC AFFAIRS IN DISASTER 1 (ARC 3080 1F)
SAFE FOOD HANDLING WORKSHOP
SHELTER OPERATIONS (ARC 3068-11)
SHELTER SIMULATIONS (ARC 3068-12)
WORKING WITH TOTAL DIVERSITY

Scheduled Red Cross Classes

For training class registration, call: 805-987-1514

Please try to register for classes a week before the class is being offered



Photo credit: Cardio Partners is a nationwide training center offering traditional classroom and blended learning courses.

The following free **FEMA Independent Study Courses** are recommended. There are several other FEMA courses available; see the other courses at <http://training.fema.gov/is>

- IS-5.a **An Introduction to Hazardous Materials** - (10/31/2013)
- IS-10.a **Animals in Disasters: Awareness and Preparedness** - (10/2/2015)
- IS-11.a **Animals in Disasters: Community Planning** - (10/2/2015)
- IS-15.b **Special Events Contingency Planning for Public Safety Agencies** - (10/31/2013)
- IS-20.19 **Diversity Awareness Course 2019** - (1/30/2019)
- IS-21.17 **Civil Rights and FEMA Disaster Assistance** - (1/25/2017)
- IS-26 **Guide to Points of Distribution** - (8/11/2010)
- IS-27 **Orientation to FEMA Logistics** - (10/31/2013)
- IS-29 **Public Information Officer Awareness** - (10/31/2013)
- IS-33.19 **FEMA Initial Ethics Orientation 2019** - (1/30/2019)
- IS-35.19 **FEMA Safety Orientation 2019** - (1/30/2019)IS-36 **Multi-hazard Planning for Childcare** - (10/31/2013)
- IS-42 **Social Media in Emergency Management** - (10/31/2013)
- IS-75 **Military Resources in Emergency Management** - (2/25/2011)
- IS-100.b **Introduction to Incident Command System, ICS-100** - (10/31/2013)
- IS-111.a **Livestock in Disasters** - (10/31/2013)
- IS-144 **Telecommunicators Emergency Response Taskforce (TERT) Basic Course** - (10/31/2013)
- IS-162 **Hazard Mitigation Floodplain Management in Disaster Operations** - (11/16/2016)
- IS-200.b **ICS for Single Resources and Initial Action Incidents** - (10/31/2013)
- IS-230.d **Fundamentals of Emergency Management** - (12/16/2013)
- IS-235.c **Emergency Planning** - (12/15/2015)
- IS-240.b **Leadership and Influence** - (6/16/2014)
- IS-241.b **Decision Making and Problem Solving** - (3/31/2014)
- IS-242.b **Effective Communication** - (3/31/2014)
- IS-244.b **Developing and Managing Volunteers** - (3/29/2013)
- IS-250.a **Emergency Support Function 15 (ESF15) External Affairs: A New Approach to Emergency Communication and Information Distribution** - (5/7/2012)
- IS-271.a **Anticipating Hazardous Weather & Community Risk, 2nd Edition** - (10/31/2013)
- IS-288.a **The Role of Voluntary Organizations in Emergency Management** - (2/12/2015)
- IS-315 **CERT Supplemental Training: The Incident Command System** - (8/13/2013)
- IS-317 **Introduction to Community Emergency Response Teams** - (6/26/2014)
- IS-320 **Wildfire Mitigation Basics for Mitigation Staff** - (10/31/2013)
- IS-322 **Flood Mitigation Basics for Mitigation Staff** - (10/31/2013)
- IS-323 **Earthquake Mitigation Basics for Mitigation Staff** - (10/31/2013)
- IS-325 **Earthquake Basics: Science, Risk, and Mitigation** - (10/31/2013)
- IS-326 **Community Tsunami Preparedness** - (10/31/2013)

- IS-366.a **Planning for the Needs of Children in Disasters** - (12/9/2015)
- IS-368 **Including People With Disabilities & Others With Access & Functional Needs in Disaster Operations** - (2/20/2014)
- IS-393.a **Introduction to Hazard Mitigation** - (10/31/2013)
- IS-405 **Overview of Mass Care/Emergency Assistance** - (12/10/2013)
- IS-454 **Fundamentals of Risk Management** - (10/31/2013)
- IS-546.a **Continuity of Operations Awareness Course** - (10/31/2013)
- IS-547.a **Introduction to Continuity of Operations** - (10/31/2013)
- IS-559 **Local Damage Assessment** - (10/31/2013)
- IS-700.b **An Introduction to the National Incident Management System** - (6/25/2018)
- IS-775 **EOC Management and Operations** - (8/6/2008)
- IS-800.b **National Response Framework, An Introduction** - (1/20/2017)
- IS-815 **ABCs of Temporary Emergency Power** - (12/27/2016)
- IS-906 **Workplace Security Awareness** - (10/31/2013)
- IS-907 **Active Shooter: What You Can Do** - (12/28/2015)
- IS-909 **Community Preparedness: Implementing Simple Activities for Everyone** - (10/31/2013)
- IS-910.a **Emergency Management Preparedness Fundamentals** - (10/19/2012)
- IS-915 **Protecting Critical Infrastructure Against Insider Threats** - (7/10/2013)
- IS-916 **Critical Infrastructure Security: Theft and Diversion – What You Can Do** - (10/31/2013)
- IS-922 **Applications of GIS for Emergency Management** - (10/31/2013)
- IS-951 **DHS Radio Interoperability** - (9/22/2016)
- IS-2200: **Basic Emergency Operations Center Functions** - (5/17/2019)
- IS-2500 **National Prevention Framework, an Introduction** - (3/27/2018)
- IS-2600 **National Protection Framework, An Introduction** - (3/27/2018)
- IS-2700 **National Mitigation Framework, an Introduction** - (3/27/2018)
- IS-2900.a **National Disaster Recovery Framework (NDRF) Overview** - (7/11/2018)

The ARRL offers several on-line courses. The courses listed here are recommended for those involved in disaster and emergency service. See these and other courses at the ARRL web site.

Introduction to Emergency Communication EC-001
HF Digital Communications EC-005
PR-101: ARRL Public Relations (EC-015)
Public Service and Emergency Communications Management for Radio Amateurs- EC-016

There are some costs with the ARRL courses but discounts and occasional scholarships are available to ARRL members. See www.ARRL.org for details and enrollment.

ARES-ACS Frequency Updates

The Tuesday night Ventura County ARES/ACS Net is held on the WD6EBY Sulphur Mt. Repeater. Local nets are 7:00 to 7:30 PM; County Net starts at 7:30 on WD6EBY Sulphur Mt. Repeater 145.200 (-) PL 127.3 / 445.560 Mhz(-) PL 141.3

Good Frequencies to have pre-programmed into your radios...

Area 1 Simi Valley – K6ERN 146.805 Mhz (-) PL 100.0

Area 2 Conejo Valley, T. Oaks, Newbury Park – N6JMI 147.885 Mhz (-) PL127.3 BOZO

Area 3 Camarillo, Somis,– K6ERN 147.915 Mhz (-) PL 127.3

Area 4 Oxnard, Port Hueneme, NBVC – WB6YQN 146.970 Mhz (-) PL 127.3

Area 5 Ojai Valley – N6FL 145.400 Mhz (-) PL 114.8

Area 6 Ventura City – WA6ZSN 146.385 Mhz (+) PL 127.3

Area 7 Santa Paula, Fillmore, Piru – WA6ZSN 146.385 Mhz (+) PL 127.3

Area 8 Moorpark, Santa Rosa Valley – K6ERN 145.460 Mhz (-) PL 127.3

County-Wide – WD6EBY 145.200 (-) PL 127.3

ACS Portable – VCACS/p 144.930/147.585 Mhz PL 127.3

Other Good Area Frequencies ...

AA6DP 147.090 Mhz (+) No PL Catalina

K0AKS 147.150 Mhz(-) PL 127.3 TOaks

K6CPT DCS 145.300 Mhz (-) PL100.0 LA DCS

K6CPT DCS 147.270 Mhz (-) PL100.0 LA DCS

K6DCS DCS22 147.225 Mhz (+) PL 94.8 LA DCS

K6ERN 146.880 Mhz (-) PL 127.3 SMRA Red Mt.

K6ERN 147.765 Mhz (-) PL 127.3 Olivas Park / SMRA

K6TZ 146.790 Mhz (-)PL131.8 SBARC

KB6C 147.735 Mhz (-) PL 100.0 Oat Mt / MMRA

N6EVC 146.850 Mhz (-) PL 94.8 Rasnow

N6FDR 145.260 Mhz (-) PL 100.0 Malibu

W6AAX 147.180 Mhz (+) PL 186.2 Verdugo Peak

W6GRG 146.940 Mhz (-) PL 127.3 Simi DSW Repeater

W6YJO 145.180 Mhz (-) PL 131.8 Sta Ynez

WA6FGK 146.640 Mhz (-) PL 127.3 Simi Valley

WA6PPS 147.300 Mhz (-) PL 110.9 L.A.City ACS

WB6OBB 147.000 Mhz (+) PL 131.8 Sta Barbara

WD6EBY 145.240 Mhz (-) PL 127.3 Chatsworth Pk

Due to assignment and coordination of several D-Star Repeaters, TASMA, the southern California Two meter amateur frequency coordination body, has had to re-align several frequencies. Among these changes are the channelization (15 KHz spacing) of the 145.5 - 145.6 simplex allocation and reassignment of several frequencies from simplex to other uses.

None of the local Ventura County repeaters are directly affected; however several previous simplex frequencies are now in use either as repeater inputs or outputs. **New County ARES Packet frequency is 145.050 Mhz;**

Ventura County ARES-ACS simplex frequencies have been re-assigned as follows:

Area 1 Simi Valley – 145.510 Mhz (S)

Area 2 Conejo Valley, T.O., Newbury Pk – 146.445 Mhz (S)

Area 3 Camarillo, Somis – 146.550Mhz (S)

Area 4 Oxnard, Port Hueneme, NBVC – 146.595Mhz (S)

Area 5 Ojai Valley – 145.555Mhz (S)

Area 6 Ventura City – 147.510Mhz (S)

Area 7 Santa Paula, Fillmore, Piru – 145.540 Mhz (S)

Area 8 Moorpark – 146.535Mhz (S)

County ARES Simplex – 145.615 Mhz (S)

National Simplex – 146.520Mhz(S)

Ventura County ARES / ACS Emergency Coordinators

ACS RO/ARES DEC: Rob Hansen, W6RH, Email: w6rh@arrl.net

Assist ACS RO/Deputy DEC: Rick Tate, KQ6NO Email: kq6no@arrl.net

Area 1 Simi Valley EC: Steve King, KE6WEZ Email: ke6wez@gmail.com

Area 2 TO, Conejo Valley EC: Zack Cohen, N6PK, Email: n6pk@arrl.net

Area 3 Camarillo, Somis EC: Avi Carmi, K6AVI Email: avi@carmi.us

Area 4 Oxnard, Hueneme, Mugu EC: Stewart Stone, KG6BOV Email: kg6bov@arrl.net

Area 5 Ojai EC: Wayne Francis, W6OEU Email: w6oEU@arrl.net

Area 6 City of Ventura EC (acting): Grant Mohr, KG6SFW, E-mail gmohr12@hotmail.com

Area 7 Santa Paula, Fillmore, Piru EC: Grant Mohr, KG6SFW, E-mail gmohr12@hotmail.com

Area 8 Moorpark, Santa Rosa Valley EC: Marc Hanley KM6B, Email: km6b@arrl.net

ARRL offers online training for hams who want to participate in the Amateur Radio Emergency Service.

The time for training is before a disaster...not during one.

The former Amateur Radio Emergency Communications (AREC) series of three training courses has been reconfigured into two courses: An introductory course and a course for leaders and managers.

Introduction to Emergency Communication (#EC-001)

Revised in 2018, this is an update of the former Level 1 course. It is designed to provide basic knowledge and tools for hams who want to serve as a Public Service volunteer. It provides an opportunity for non-hams who rely on communications in emergency situations to learn about Amateur Radio and its unique role in emergencies.

For start dates, registration deadlines and more visit www.arrl.org/online-course-catalog

Public Service and Emergency Communications Management for Radio Amateurs (#EC-016)

Launched in 2010, this course is designed for Amateur Radio operators who will be in leadership and managerial roles, organizing other volunteers to support public service activities and communications emergencies. Participants will learn how radio amateurs prepare to support local community events and, when working in coordination with governmental and emergency response organizations, how to deploy their services. This is a self-study course. For more information and to register visit www.arrl.org/online-course-catalog.

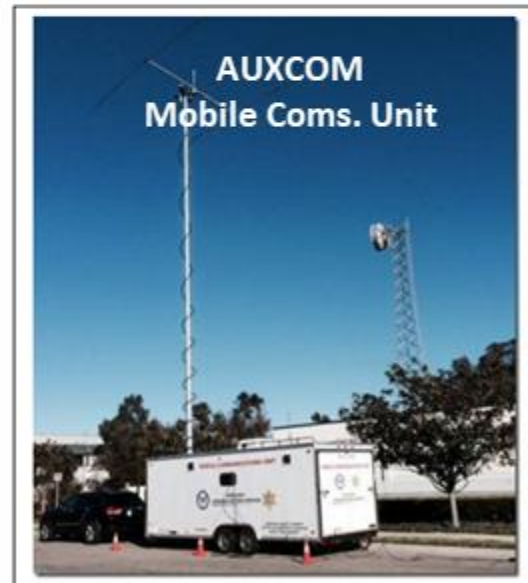
PR-101: ARRL Public Relations (EC-015)

This is a basic training course for PIOs and anyone interacting with the media and promoting Amateur Radio.

This course is designed to give hams a quick overview in public relations activities. It uses the skills of experts in various aspects of public relations to provide volunteer Public Information Officers with the basic skills and expectations that a PIO needs to know to be effective in their home region.

PR-101 covers everything from the basic news release to Web sites and video work.

This course is available--free! -- on-line, or can be purchased in CD format from the ARRL store.



Local Area Radio Nets Weekly Nets

Monday

Cuckoo Net 146.790 Mhz (-) / 131.8 Hz PL and 145.180 Mhz (-) / 131.8 Hz PL every weekday morning from 8:00 AM to about 8:20 AM

California Rescue ARES Net 7.25 Mhz MTWThF 8:30 AM

Santa Barbara South County ARES net 7:30 p.m. on 146.79 Mhz (-) PL 131.8.

LA DCS-22 Net – 1930 Hrs. - K6DCS - 147.225 MHz (+) then on 7.235± MHz LSB

K6MEP / VCARC Club Net – 145.200 Mhz (-) / 127.3 PL (WD6EBY linked system) 8:00 PM

Southern California ACS NET MONDAY AT 2000 HOURS LOCAL TIME ON 3992, 3960 KHz LSB

LA Section ARES Net - HF Every Monday following the VHF/UHF net (~2130 hrs) 1st, 3rd and 4th Monday - **75 meters 3.995 MHz (± 45 kHz) / 2nd Monday - 10 meters 28.495 MHz**

Tuesday

Cuckoo Net 146.790 Mhz (-) / 131.8 Hz PL and 145.180 Mhz (-) / 131.8 Hz PL every weekday morning from 8:00 AM to about 8:20 AM

California Rescue ARES Net 7.250 Mhz MTWThF 8:30 AM

Ventura County ARES-ACS 6 Meter Net – between 6:45 PM to 7:00 PM K6SMR **52.980 Mhz (-) PL 82.5** SMRA Red Mt

Ventura County ARES-ACS Simplex Net – 6:30pm on 147.510 Simplex

Ventura County ARES-ACS HF Net – between 6:30 PM to 7:00 PM 40M on **7.235 Mhz LSB +/- ;**

Ventura County ARES/ACS Nets between 7:00 and 8:00 PM, the Ventura County Amateur Radio Emergency Service / Auxiliary Communications Service holds their local and County-wide nets. Local Nets are by area and normally run from 7:00 to 7:30 PM. The County-wide Net starts at 7:30 PM and normally finishes by 8:00 PM on **WD6EBY 145.200 (-) / 127.3 PL**

SBARC Swap Net 146.790 Mhz (-) / 131.8 Hz PL and 145.180 Mhz (-) / 131.8 Hz PL 7:30-8:00 PM

West SB ARES HF Net (1st Tuesday, Monthly) 3822 Khz LSB 2030 / 8:30 PM

6-Meter Roundtable - 50.125 Mhz USB First Tuesday of each month 2000 / 8:00 PM

2030 **ATV Net 146.790 Mhz (-) / 131.8 Hz PL K6TZ** repeater

SBARC Digital Communications Net 146.790 Mhz (-) / 131.8 Hz PL and 145.180 Mhz (-) / 131.8 Hz PL 8:00 – 10:00 PM

Wednesday –

Cuckoo Net 146.790 Mhz (-) / 131.8 Hz PL and 145.180 Mhz (-) / 131.8 Hz PL every weekday morning from 8:00 AM to about 8:20 AM

California Rescue ARES Net 7.25 Mhz MTWThF 8:30 AM

Southern California ACS NET 1000 Hours, 40 Meter Net 7230 KHz

SMRA Tech Net 146.880 Mhz (-) / 127.3 PL (SMRA Red Mt) 8:00 PM

SBARC Swap Net 146.790 Mhz (-) / 131.8 Hz PL K6TZ 2000

Thursday

Cuckoo Net 146.790 Mhz (-) / 131.8 Hz PL and 145.180 Mhz (-) / 131.8 Hz PL every weekday morning from 8:00 AM to about 8:20 AM

California Rescue ARES Net 7.25 Mhz MTWThF 8:30 AM

So Cal 6 meter net, 51.940 Mhz – pl 82.5. 1900-2000 local Thursdays.

Southern Calif 6M SSB Technical Roundtable Net Thursday night at 8:00 PM on **50.2 MHz USB SSB**

SBARC / K6TZ Technical Mentoring Net -- Thursday nights 8:00-9:00 PM **146.790 Mhz (-) / 131.8 Hz PL and 224.08 Mhz (-) 131.8 PL (linked)**

Friday

Cuckoo Net 146.790 Mhz (-) / 131.8 Hz PL and 145.180 Mhz (-) / 131.8 Hz PL every weekday morning from 8:00 AM to about 8:20 AM

California Rescue ARES Net 7.250 Mhz MTWThF 8:30 AM

Saturday

Military Radio Collector Net 1800 / 6:00PM 3985 Kc +/- AM www.mrcqwest.org/mrcg-radio-nets/

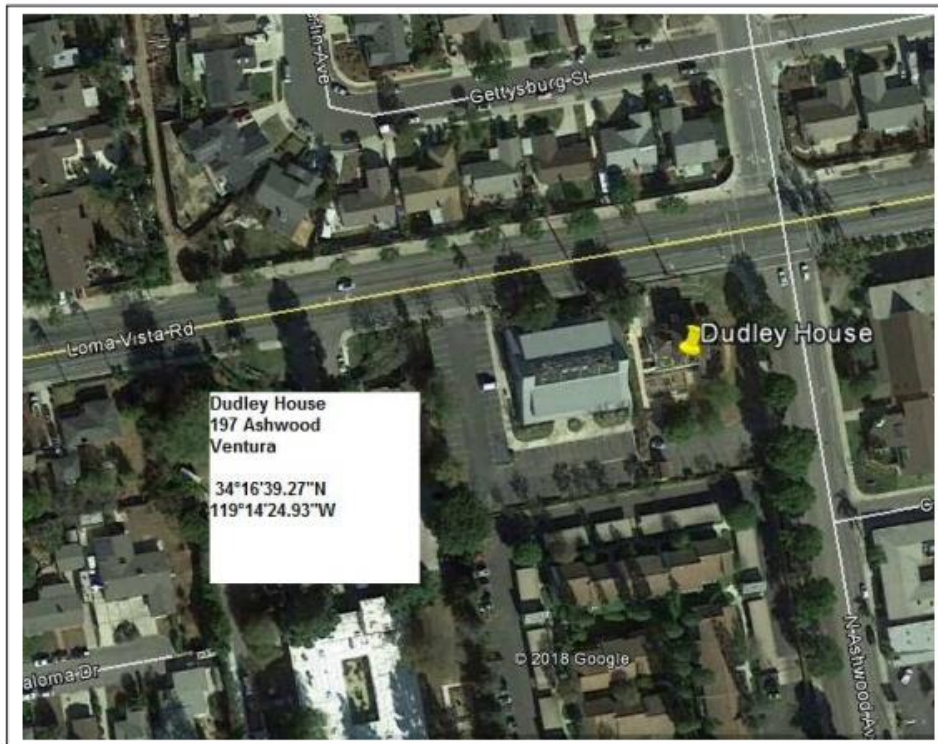
Sunday

ARRL Southwestern Division Net 0800 / 8:00 AM 3965 MHz.

Newbie Net 7:00-7:30 pm Sundays; Bozo Repeater **147.885 Mhz (-) / PL127.3**

Rabbit Net 7:00- ??? pm Sundays Linked Rabbit repeaters

Meeting Location Maps



ARRL News



Efforts Continue to Enhance ARES Program, Add Resources

The ARRL Board of Directors, committees, and Headquarters administrative staff are continuing efforts to enhance the venerable Amateur Radio Emergency Service (ARES®) program. A major **ARES Plan** has been adopted, providing new direction going forward. In addition, a standardized training plan has been adopted and a new **ARES Emergency Communicator Individual Task Book** approved and published.

At its July meeting, the ARRL Board considered the **report** of its Public Service Enhancement Working Group (PSEWG). A “change log” was proposed for the *Task Book* that will highlight

changes made as the document is periodically revised and updated. ARES position guidelines were posted to the online *ARES Workbook* and a major revision and update of ARRL’s *Introduction to Emergency Communications* course — now designated as IS-001 — has been completed.

The course is now available at no cost to any ARES registrant, and a “tutor-less” format has been added as a parallel path for completing the course. Additional tutors were recruited to assist in handling the initial surge of interest. A “challenge” path directly to the final exam is also being implemented. An update and introduction of IS-016 — *Public Service and Emergency Communications Management for Radio Amateurs* — will follow in the next few months.

Veteran Ohio Section Manager Scott Yonally, N8SY, has been brought on board to assist in implementing *ARES Connect* and to field questions about the new software package from users. *ARES Connect* is a volunteer management system covering event sign-up, reporting, and roster management, to simplify managing volunteers and events.

Some modest revisions to procedures have been made to the **Ham Aid** program.

Most recently, the PSEWG has begun an extensive examination of the future role of the National Traffic System (**NTS**) in concert with ARES. It’s hoped that a brief survey of selected Section Managers, Section Traffic Managers, and Section Emergency Coordinators will provide a starting point for a more extensive analysis of the program.

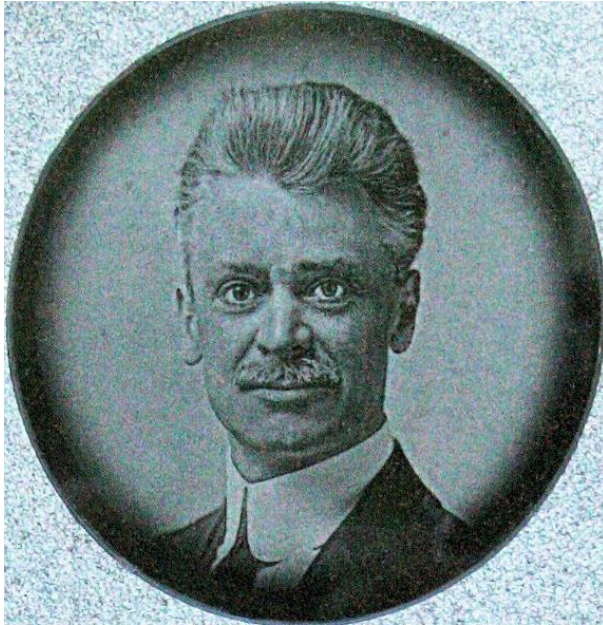
At its July meeting, the ARRL Board authorized the EmComm Manager Selection Committee to specify the position requirements for a new Director of Emergency Management at Headquarters. This individual will lead the team responsible for supporting the ARES program and will work with ARRL staff to develop standards, protocols, and processes to support the Field Organization. —

*Thanks to **The ARES E-Letter***

(cont. on next page)

(ARRL News cont. from previous page)

Reminder: The Hiram Percy Maxim Birthday Celebration Begins on August 31



The **Hiram Percy Maxim Birthday Celebration** gets under way on Saturday, August 31, and wraps up on Monday, September 8. The 9-day operating event commemorates the 150th anniversary of the birth of ARRL cofounder and first president Hiram Percy Maxim, W1AW (HPM) — born on September 2, 1869 — and is open to all radio amateurs. The objective is to work as many participating stations as possible. W1AW and *all* ARRL members will append “/150” to their call signs during this event (DX operators who are ARRL members may operate as <call sign>/150, if permitted by their country of license.) Stations will exchange a signal report and **ARRL/RAC Section**. A total of 84 multipliers are available. DX stations will send a signal report and “DX.” All Amateur Radio bands except 60, 30, 17, and 12 meters are available. Contacts may be made on CW, phone, and digital modes. Incentives are available for using different modes,

operating portable, and using social media, among others. Logs will be scored, and downloadable certificates will be available.

ARRL-TAPR Digital Communications Conference Presentations Announced



Details on the current roster of presentations and speakers for the 2019 ARRL-TAPR Digital Communications Conference (DCC), which takes place September 20 – 22 at the Detroit Metro Airport Marriott Hotel, have been announced. Ten papers are on the schedule, so far, and there’s room for more. **Contact** Steve Bible, N7HPR, to submit your paper.

- “PSAT2 DTMF Experiment APRStt — Touchtone® Digital Communications Using any Radio for Data Exchange” by Bob Bruninga, WB4APR
 - “Extending D-STAR with Codec 2” by Antony Chazapis, SV9OAN
 - “IPV6 for Amateur Radio” by Daniel Estévez, EA4GPZ/M0HXM
 - “Synchronization in FT8” by Mike Hasselbeck, WB2FKO
 - “WSPR in an Educational Project” by Anthony Le Cren, F4GOH
- (cont. on next page)

(ARRL News cont. from previous page)

- “Portable Audio Frequency-Shift Keying Sensors using a Hamshield mini” by Nolan Pearce, KE8JCT; Stephen S. Hamilton, KJ5HY, and Kate J. Duncan, KB2ZOO

(ARRL News cont. from previous page)

- “An FPGA Learning Experience: SPI Interface to Max10 FPGA” by Gregory Raven, KF5N
- “Modulation — Demodulation Software Radio” by Alex Schwarz, VE7DXW
- “How to Kill Packet-Radio & APRS? Come to Serbia! (Part 2)” by Mirislav “Misko” Skoric, YT7MPB
- “GPS Watch Technology” by Darryl Smith, VK2TDS

Bill Brown, WB8ELK, father of Amateur Radio ballooning and noted experimenter and engineer, will be the DCC Saturday evening banquet speaker.

The Sunday Seminar topic will be “Learn to build and operate your own **SatNOGS** ground station,” presented by Dan White, AD0CQ, and Corey Shields, KB9JHU. This seminar will be a hands-on, progressive tutorial, starting with the basics of a SatNOGS (Satellite Networked Open Ground Station) and ending with the development of telemetry decoders.

Familiarity with Linux and the Raspberry Pi platform is beneficial but not required. The presenters also will interact with SatNOGS web services and discuss other technologies in use such as Python, GNURadio, InfluxDB, Kaitai Structs, and Grafana. Participants should gain an understanding of how SatNOGS applications work, how to use them, and a basic familiarity with the technologies behind the scenes, should they wish to contribute to the development of the project. Participants should bring a laptop and **sign up** for a free account.

A room will be set aside for demonstrations, experiments, and show-and-tell projects. Tables and power strips will be provided.

Thanks to a generous grant from Amateur Radio Digital Communications, TAPR is able to fund attendance at the DCC for a limited number of students. To nominate a deserving student for an all-expense-paid trip to the DCC, **submit** a nomination.

Reserve a room at the Detroit Metro Airport Marriott Hotel before August 28 to get the special conference room rate of \$106 per night, which is good for 3 days before and after the DCC. **Register** for the DCC before August 30 to get the early-bird registration rate.

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Inter-American Proposal Removes 47 – 47.2 GHz from Bands under Study for 5G Services



The 34th meeting of the Inter-American Telecommunication Commission (CITEL) Permanent Consultative Committee II (PCC.II) concluded a week of meetings on August 16 in Ottawa, Canada, in advance of World Radiocommunication Conference (WRC-19). The meetings were aimed at reaching regional consensus on WRC-19 agenda items. Attendees at PCC.II included ARRL Technical Relations Specialist Jon Siverling, WB3ERA, who is on the US delegation to WRC-19.

“The big news is that the Inter-American Proposal (IAP) going forward to ITU from CITEL countries has removed the 47 – 47.2 GHz Amateur Radio allocation from WRC-19 agenda item 1.13,” Siverling said. “We are putting forward a ‘no change’ proposal.” Supported by 13 member-states, the IAP would take frequencies in that range off the table for possible sharing with 5G

International Mobile Telephony (IMT). Siverling conceded that other administrations could raise the issue at WRC-19.

The International Telecommunication Union (ITU) Radiocommunication Sector (ITU-R) was to conduct and complete appropriate studies to determine spectrum needs for the IMT terrestrial component in the 24.25 – 86 GHz range, and studies on sharing and compatibility, while taking into account the protection of services with primary allocations on the band. ITU-R has not conducted any sharing studies between the IMT-2020 systems and incumbent Amateur Radio and Amateur Satellite services. “Therefore, it has not been demonstrated that the incumbent services can be protected, as required by Resolution 238 (WRC-15), and No Change is proposed for the 47 – 47.2 GHz frequency band,” the IAP said.

Fourteen administrations signed on to an IAP that voices no objection to an Amateur Radio allocation at 50 – 54 MHz in ITU Region 1 (Europe, the Mideast, and Africa).

Under WRC-19 agenda item 10 (future agenda items), language to protect the Amateur Radio primary 50 – 54 MHz allocation was included in a US proposal to study implementing space-based Earth Exploration Satellite Service (EESS) radars to operate in the 40 – 50 MHz range, in time for WRC-23, recognizing that 50 – 54 MHz is primary in Regions 2 and 3, with an alternative primary Amateur Service allocation in a number of Region 1 countries.

Also under agenda item 10, the frequency segment 47 – 47.2 GHz was removed from a proposal to study several additional frequency ranges for the Fixed Satellite Service (FSS).

Twelve member-states agreed to an IAP that supports no change to the existing allocation at 5725 – 5850 MHz, and 18 member states supported no change in the 5850 – 5925 MHz segment in the face of calls to consider these bands for higher power and outdoor wireless access points. The US and Canada are among countries with a secondary Amateur Radio allocation at 5650 – 5925 MHz. (cont. on next page)

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Language in a Canadian contribution, with additions from the US delegation, was added regarding WRC-19 agenda item 9.1.6, which seeks to identify frequencies for medium- and high-power wireless charging of electric vehicles (WPT-EV). Delegates to PCC.11 forwarded an IAP of No Change to the *Radio Regulations*. The wording emphasizes the requirement to properly set standards to avoid harmful interference to radio services from WPT-EV systems: “[A]s wireless power transmission and technology for electric vehicles continues to evolve, the protection of existing, planned, and future radiocommunication services against harmful interference, including unwanted emissions and harmonics, must be ensured. This can be achieved through further studies and the development or updating of applicable ITU-R recommendations and reports.”

Hurricane Watch Net Set to Activate as Caribbean Prepares for Dorian



The Hurricane Watch Net (**HWN**) says that with Tropical Storm Dorian forecast to become a Category 1 Hurricane sometime early Tuesday August 27 afternoon, Puerto Rico will feel begin to feel the storm’s effects later that day. If the storm tracks a bit to the north, the island could take a direct hit. Dorian is expected to make landfall on Thursday, August 29 on the eastern part of the Dominican Republic. The Hurricane Watch Net is planning to activate at 1400 UTC on Wednesday, August 28, on both 14.325 MHz and 7.268 MHz, and it will remain in operation until further notice. The HWN today inched up its Alert Level to 2, Monitoring Mode, as it keeps an eye on Tropical Storm Dorian, and Hurricane Warnings already are in effect for Barbados, Martinique, St. Lucia, and St. Vincent and the Grenadines.

“We are alert to the weather cyclones — preparing but hoping for the best,” Puerto Rico Section

Manager Oscar Resto, KP4RF, said. The National Hurricane Center says interests in Puerto Rico, the Virgin Islands, and Hispaniola “should monitor the progress of Dorian as watches for these areas later could be required later today.”

Radio amateurs on the island already are monitoring the storm’s trajectory, and a VHF net was activated to share information on Dorian’s predicted route and how to prepare.

As of 1500 UTC on August 26, the National Hurricane Center said hurricane conditions are possible in portions of the northern Windward Islands, and tropical storm conditions expected in the Windward Islands later today. The storm was some 90 miles east-southeast of Barbados, with maximum sustained winds of 60 MPH, moving west-northwest at 14 MPH.

Over the weekend, on Saturday, Puerto Rico Emergency Management Agency (PREMA) Commissioner Carlos Acevedo urged the island’s resident to put into effect the Family Plan the agency has suggested for emergencies. This includes ensuring a first line of defense in terms of (cont. on next page)

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water, canned goods, medicines, batteries, and fuel for power generators.

Residents heeded the advice, heading out to markets around the island to purchase water and supplies, and, later that day, hundreds of people went to supermarkets to buy water and other supplies in larger-than-usual quantities. By Sunday, vendors were limiting bottled water to between two and five packages, depending on locale.

The government of Puerto Rico is assuring the public that it's better prepared than it was for Hurricanes Irma and Maria 2 years ago. New Commonwealth Governor Wanda Vázquez has been meeting with agency heads to make sure storm preparation plans are in place.

"About 30,000 people still have blue roofs installed in the wake of Irma and Maria," Puerto Rico PIO Angel Santana, WP3GW, told ARRL. He said this situation presents a primary safety concern for those affected residents.

WX4NHC at the National Hurricane Center informed ARRL today that it's also planning to activate on Wednesday, August 28, at 1500 UTC, for what is anticipated by then to be Hurricane Dorian. That's in line with forecasts predicting the storm's closest approach to Puerto Rico. WX4NHC will work with the HWN and remain active until Dorian makes landfall in the Dominican Republic.

UN Headquarters' 4U1UN Making Slow but Steady Progress in Returning to Air



Responding to inquiries noting the lack of 4U1UN activity, the United Nations Amateur Radio Club (UNARC) **indicated** on its Facebook page this week that it's making slow but steady progress in its efforts to get the station back on the air from UN Headquarters. The main difficulties in getting 4U1UN up and running again following its displacement by renovations at UN

Headquarters have been administrative and organizational, the UNARC team said. The club explained that as a result of UN Headquarters renovation, the room on the 41st floor housing the 4U1UN radio equipment was reallocated to the UN Broadcast and Conference Support Section (BCSS) and is now off limits.

"Please do not think that UNARC members gave up and are doing nothing," the club said in its post. "After the successful activity of 4U70UN back in 2015, with the support of the UN Administration, we were able to secure a tiny 20-square-foot room for the club's needs on the ground floor of the building." With no opportunity to run a feed line from the ground floor to the top of the building and the tenuous hold even on the tiny, bottom-floor shack space, the club is in the process of installing a remotely controlled station on the 41st floor. The BCSS is responsible for security of all UN communication systems, and only authorized personnel may be there, meaning club members must be accompanied by representatives when they are permitted access.

Over the past weekend, several UNARC members, representatives of UN services, and guests had an opportunity to continue equipment configuration. An assembled 19-inch rack and part of the equipment were disconnected during delivery to the 41st floor so that BCSS personnel could hand-(cont. on next page)

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carry the equipment up several flights of stairs to the top floor. “After 4 hours of work, the connections of the SteppIR BigIR vertical antennas were restored, a new SDA-100 controller was installed, and a RemoteRig 1216H was connected for easy remote access,” the club post said. “The antenna was tested and configured.”

UNARC says remote access from the 1st floor now works, thanks to a separate Ethernet cable run up the entire height of the building for UNARC’s use. Operation of the ACOM-2000A amplifier also was tested with an antenna. The station’s Elecraft K3 transceiver had to be pulled from service and sent out for repair, however, after it was discovered to have suffered earlier static discharge damage.

“We really hope that in the very near future, after debugging and setting up all the equipment, we will finally be able to proudly look at the work done and begin to appear steadily on the bands,” the club said.

Trial Run for WW0WWV 100th Anniversary Special Event a Success

08/27/2019

Special Event Station **WW0WWV** was on the air over the August 24 – 25 weekend from the WWV site near Fort Collins, Colorado, to wring out any issues in advance of the WWV centennial special event, September 28 – October 2.

“The stormy sea of RF at the WWV/WWVB site was calmed a bit as initial tests at the WW0WWV special event station proved very successful and took much less time than we initially anticipated,” reported Dave Swartz, W0DAS. “We assembled, raised, and tested one of our two SteppIR two-element Yagi antennas in just a few hours, with great results on the Reverse Beacon Network and with the couple of dozen contacts we were able to make on 20-meter CW,” Swartz said. “The CrankIR vertical antennas tuned nicely on 80 and should provide for 80 through 10 meters for two of our stations.”

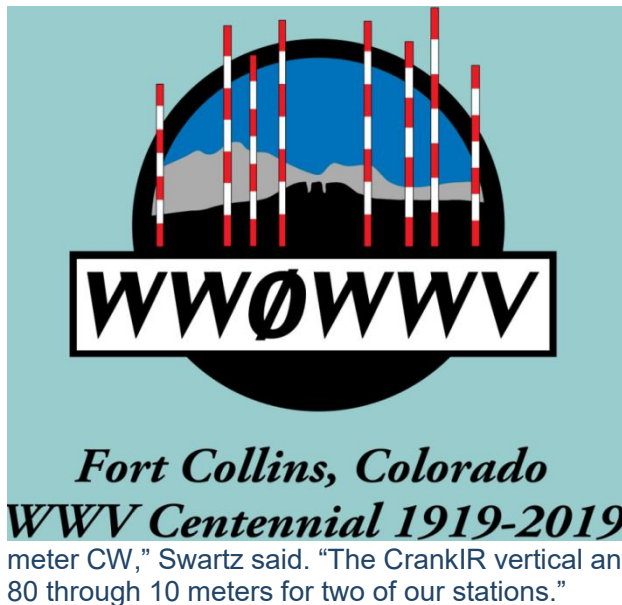
Given its proximity, WWV’s 10 MHz transmitter presented a problem. Initial tests of the 30-meter notch filter showed a 20 dB attenuation, which was not narrow enough. Swartz said organizers are considering using a crystal notch filter in order to work around the 10 MHz, 10 kW WWV signal and that the organizers have not thrown in the towel on 30-meter operation.

“By the end of the day on Saturday, we were happy with our results, and we decided a second day wasn’t necessary,” Swartz said. The team will remain busy over the next 4 weeks getting everything ready for the special event and will **announce** specific operating frequencies on its website and via social media.

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