

June 2019

The KEYER

K6MEP

Ventura County Amateur Radio Club

Year 83 Issue 6



The Ventura County Amateur Radio Club, K6MEP will hold its next regular meeting at 7:30 PM on Friday the 14th of June 2019 at historic **Dudley House** 197 N. Ashwood, Ventura 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). Board Meeting precedes the General Meeting. Program is **ARRL Field Day Preparation**. Please join us for Field Day at Oxnard College, Rose & Bard. Set-up Friday afternoon 21 June, Operating 22-23 June.

K6MEP

Ventura County Amateur Radio Club
PO Box 2103, Oxnard, CA 93034-2103

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K6MEP KEYER -- The VCARC Journal

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K6MEP Keyer – The Journal of the Ventura County Amateur Radio Club

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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.

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Material submitted for inclusion is encouraged. Submit material on IBM(tm) PC diskettes, USB sticks, or by e-mail to kg6bov@arrl.net. MS Word, WordPerfect or ASCII is preferred. Send all submissions directly to the club mailing address at **K6MEP, PO Box 2103 Oxnard, CA 93034-2103** or deliver to the editor at any time mutually convenient.

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,

June is Field Day month, when many members of our club join together to prepare for and participate in the event. This year, due to the diligence of Clem KM6OKZ, Stewart KG6BOV and several others, our club will have a new venue. Oxnard College's officials have agreed to permit us to hold Field Day on campus, using Parking Area B and the grassy field next to the Duck Pond to stage our event. The new area has been tested by Stewart to ensure that we can expect low noise and good reception at that location. He also conducted an evening test to measure the QRM that the nearby LED lighting emits.

Looking backward: At our May 10th club meeting, we had 28 members and 5 guests attend the VCARC monthly meeting at the Dudley House. Pete N6ZE made an excellent presentation entitled "VHF and Above Contesting". Pete showed us that he is perhaps the most active and experienced VHF contester in Ventura County, and spoke about his "rover" activities, visiting various grid squares.

Phil WA6BUZ, with the club's approval, created the K6MEP.org domain, and has begun writing the code for our new website. He projected the new home page on the screen and described several features he is building.

(Cont pg 6)

Secretary's Column and Meeting Minutes

Ventura County Amateur Radio Club Inc. Club Meeting

Meeting Date : 5/10/19

GENERAL MEMBERSHIP MEETING MINUTES

MEETING ADDRESS: Dudley Historical House, Ventura

ATTENDANCE: Listed on Roll Check-In Sheet

CALL TO ORDER 19:32

ANNOUNCEMENTS

MEETING MINUTES

Open meeting with Pledge of Allegiance

Introductions

Presentation by Pete Heins N6ZE about VHF contesting and roving.

BREAK 20:45

OLD BUSINESS

Field day location decided and paperwork is in progress. It is to be held at Oxnard College, Parking lot B near the duck pond at the corner of Rose and Bard just off Entrance Rd. Stewart KG6BOV and Clem KM6OKZ are co-chairs.

May 4th picnic at the Dudley House big success 37 total with 28 members and 9 visitors

Monday night net had 7 check-ins; Clem is still in the lead.

The club now owns filters for Field Day! Stewart will be their caretaker.

(Cont pg 17)

Selected June Contests & Special Events

The following contests and special events caught your editor's eye. This is by no means a complete listing. Please see QST or the ARRL website (www.arrl.org) for any details and QSL information.

-
- 06/01/2019 | Bantam Jeep Heritage Festival Jun 1-Jun 10, 1400Z-1400Z, K3J**, Butler, PA. Butler County Amateur Radio Association. 14.074 7.230. QSL. BCARA. www.w3udx.org
- 06/01/2019 | Dog Island IOTA DXpedition & VHF Party Jun 1-Jun 14, 0000Z-2359Z, K4D**, Dog Island Florida (EL79), FL. Dog Island DXpedition . 50.125 144.200 7.180 14.275. QSL. SASE Required. Digital Modes & SSB on VHF for the ARRL VHF Contest. SSB/CW/Digital modes all others during the time frame. Activating IOTA Island (NA-085) and rare grid EL79. Colorful QSL for SASE as well as contacts uploaded to LoTW. rockradio1@aol.com
- 06/01/2019 | First Nuclear Submarine USS Nautilus SSN 571; Museum Ships Weekend Participant. Jun 1-Jun 2, 0000Z-2359Z, N1S**, Groton, CT. Generations Amateur Radio Club. 21.340 14.264 7.250 50.5. QSL. Via K3LBD bureau or direct with SASE to:, Generations ARC. Details on QRZ N1S and K3LBD pages. www.ussnautilus.org
- 06/01/2019 | Initial Survey Point Jun 1-Jun 2, 1421Z-1417Z, W9I**, Paoli, IN. Orange County Amateur Radio Club . SSB:14.250 7.180 3.820; CW: 7.055. QSL. Initial point, also know as Pivot Point, marks the initial survey point for Indiana. Ebenezer Buckingham, Jr., U.S. Deputy Surveyor, surveyed west to the original wooden post on September 1, 1805, see www.hmdb.org/marker.asp?marker=47662 . www.wb9fhp.com
- 06/01/2019 | Museum Ship Weekend Jun 1-Jun 5, 0000Z-0000Z, W5C/W5T**, Cleburne, TX. Club KC5NX. 14.260 14.045 7.202 7.045. QSL. Club KC5NX. Club KC5NX will operate as W5T and W5C during Museum Ship Weekend June 2nd and 3rd in honor of the USS Cleburne Attack Transport, APA 73, used during World War 2. Picture QSLs will be available for your QSL, or note and an SASE. club.kc5nx@gmail.com or www.qrz.com/db/kc5nx
- 06/01/2019 | Museum Ships on the Air Jun 1-Jun 2, 1500Z-2000Z, NY3EC**, Pittsburgh, PA. USS Requin SS 481 Amateur Radio Club. 14.0481 7.250 7.0148. QSL. WA3BKD. www.qrz.com/db/ny3ec
- 06/01/2019 | Museum Ships Weekend Jun 1-Jun 2, 0000Z-2359Z, W1M**, Vergennes, VT. Lake Champlain Maritime Museum. 14.260 7.260. Certificate. W4yFJ. Please send a 9 by 11 SASE for the certificate. <https://www.qsl.net/w/wa2tvs/museum>
- 06/01/2019 | Museum Ships Weekend Jun 1-Jun 2, 1100Z-2100Z, K8E**, Toledo, OH. Toledo Mobile Radio Association and National Museum of the Great Lakes. 14.260 14.039 7.260 7.039. QSL. SS Col. James M. Schoonmaker, Team K8E. www.tmrahamradio.org
- 06/01/2019 | Museum Ships Weekend Event Jun 1-Jun 2, 0001Z-2359Z, NJ2BB**, Camden, NJ. Battleship New Jersey Amateur Radio Station. 14.262 14.040 7.262 7.040. Certificate & QSL. KB2BRR,. Not a contest; this is a fun operating event. All stations that work at least 15 different ships of those listed as participating will receive a certificate if they send a copy of their log entries showing these contacts. www.nj2bb.org
- 06/01/2019 | W2W D-Day Commemoration Jun 1-Jun 9, 1300Z-2200Z, W2W**, Baltimore, MD. The Amateur Radio Club of the National Electronics Museum (K3NEM). 14.244 14.044 7.244 7.044; 80 meters (3.544, 3.844) and digital modes possible.. Certificate & QSL. W2W D-Day, Amateur Radio Club of the National Electronics Museum (ARCNEM) will operate W2W in commemoration of the anniversary of D-Day and the role of electronics in WWII. Primary operation will be June 1-June 2 with additional operation possible during the June 3-9 period, as operator availability permits. Frequencies +/- according to QRM. QSL and Certificate available via SASE; details at www.2.us
- 06/01/2019 | Walthall County, Ms. Dairy Festival Jun 1, 1400Z-2000Z, W5WQ**, Tylertown, MS. Southwest Mississippi Amateur Radio Club. 28.480 21.280 14.280 7.280. QSL. W5WQ. www.w5wq.net
- 06/01/2019 | WWII Submarine USS Cobia On the Air Jun 1-Jun 2, 1400Z-2100Z, NB9QV**, Manitowoc, WI. USS Cobia Amateur Radio Club. 14.240 7.250. QSL. Fred Neuenfeldt, W6BSF. SASE #10 needed for QSL www.qrz.com/db/nb9qv
- 06/05/2019 | Elvis Presley Festival Special Event Jun 5-Jun 9, 1500Z-2359Z, K5TUP**, Tupelo, MS. Tupelo Amateur Radio Club. CW, FT8, and SSB on all bands, check the cluster. Certificate. TARC. Operating from hometown Tupelo where Elvis's mother bought his first guitar. For 8x11 certificate, send \$5 and address label to address above. tupeloradioclub@gmail.com , www.qrz.com/db/k5tup , or www.tupeloarc.org
- 06/06/2019 | 75th Anniversary D-Day Invasion Jun 6-Jun 9, 1200Z-1700Z, WW2DDM**, Bedford, VA. Old Dominion Chapter 202 QCWA. 3880 KHz AM, LSB 3585 KHz CW 7285 KHz AM, LSB 14.245 MHz USB. QSL. WW2DDM c/o H. A. Boaz, Jr.. Bedford, VA is the location of The National D-Day Memorial. Bedford was the home of the "Bedford Boys". These were the nineteen young men from Bedford that died that day and four others died during the rest of the Normandy campaign. The town of Bedford had proportionately suffered the greatest losses that day. That is why the US Congress established the D-Day Memorial in Bedford, VA.
- 06/08/2019 | 30th Annual Rosebud Sioux Ministry Trip Jun 8, 1300Z-2000Z, KG4KRB**, Rocky Mount, VA. Blue Ridge Emcomm. 146.520 14.250 7.250 3.925. Certificate & QSL. KG4KRB. wawokiya@b2xonline.com . For QSL/certificate go to <https://www.rosebudsiouxministry.org>
- 06/08/2019 | A day on the Appalachia Trail with HRAC Jun 8, 1600Z-2200Z, W3UU**, Gardners, PA. Harrisburg Radio Amateurs Club. 7.265 14.265. Certificate & QSL.

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Terry Snyder (WB3BKN. We are at the mid point of the Appalachian trail in beautiful Pine Grove Furnace State Park. We will be at the site of the Iron Furnace in the park. QSL with SASE, Certificate with appropriate sized SASE and \$3.00 to cover certificate cost. w3uu.org

06/08/2019 | Appleton Flag Day Parade Jun 8, 1830Z-2030Z, W9ZL, Appleton, WI. Fox Cities Amateur Radio Club. 14.246 145.33 - offset. QSL. FCARC. June 8th 2019 The Fox Cities Amateur Radio Club will operate a special event station while participating in the Appleton Wisconsin Flag Day Parade. The Appleton Flag Day Parade is the largest Flag Day parade in the US. FCARC will operator special event station W9ZL on 20 meters on 14.246 MHz plus QRM, also on FCARC's 2 meter Fusion Repeater 145.33 – offset, which is linked to W9ZL's room 40216 starting at 1:30pm CDT and will operate for the duration of the parade about 3:30pm CDT. More information can be found on FCARC website www.fcarc.club

06/08/2019 | Jimmy Stewart Airshow Jun 8-Jun 9, 1400Z-2000Z, W3BMD, Indiana, PA. Indiana County Amateur Radio Club. 14.270 7.230. QSL. Indiana County Amateur Radio Club. Indiana, PA is the actor and WW2 pilot Jimmy Stewart's home town. Operating times are daily. Also check the usual 20m and 40m digital frequencies. SASE for QSL. qsl.net/w3bmd

06/08/2019 | USS Missouri (BB-63) 75th Anniversary of Her Commissioning Jun 8-Jun 9, 1400Z-2100Z, K2M, Brooklyn, NY. Kings County Radio Club. 14.225 7.180 3.810. QSL. K2JVX. We will be at the Brooklyn Navy Yard (formerly the New York Navy Yard), by kind permission, the actual location where the Missouri was built, launched and commissioned. We will be operating portable and barefoot. <https://www.kingscountyradioclub.com>

06/08/2019 | Whiskey Rebellion/Cumberland Heritage Days Jun 8-Jun 10, 1300Z-0000Z, W3W, Cumberland, MD. Mountain Amateur Radio Club. 14.322 7.222 3.855. QSL. MARC. Contacts confirmed via LoTW, please send SASE for QSL card

06/15/2019 | 30th Anniversary TVDXA Jun 15-Jun 30, 0000Z-2300Z, N4T, Chattanooga, TN. Tennessee Valley DX Association. 14.250 14.045 7.190 7.040; all bands, all frequencies. QSL. WB4ZBI. 30th Anniversary of the founding of the Tennessee Valley DX Association (TVDXA) in Chattanooga, TN 1989-2019. molljr@comcast.net

06/15/2019 | 78th Annual Convention of the National Speleological Society Jun 15-Jun 21, 1800Z-1800Z, K4C, Cookeville, TN. National Speleological Society. 14.285 7.195. QSL. AE6JV. www.nss2019.caves.org

06/15/2019 | W8DXCC DX Convention Jun 15-Jun 16, 0000Z-2359Z, K8S, K8W, K8H, K8O, Owensville, OH.

SouthWest OH DX Association. 14.245 14.074 7.245 3.535. Certificate & QSL. AJ8B -. This is the inaugural year for this DX Convention. We are using these call signs: K8S, K8W, K8O, K8H. A QSL for each and/or certificate for working all four. www.w8dxcc.com

06/16/2019 | Providence Radio Association Centennial Event 1919-2019 "W1C" Jun 16-Jun 30, 0000Z-2359Z, W1C, Newport, RI. Providence Radio Association W1OP. 14.250 7.250 3.850 7.025. QSL. Providence Radio Association W1OP. June combination special event. W1OP has activated the current Beavertail State Park since 1975 when it was still in US Navy jurisdiction. Will also be operating W1C from our clubhouse, built in 1952. These are part of the year-long W1OP/100 Centennial calendar. www.qrz.com/db/w1op or www.w1op.com

06/20/2019 | Field Day 2019, Commemorating the Lives of President Ronald & Mrs. Nancy Reagan Jun 20-Jun 24, 1900Z-2359Z, N6R, Simi Valley, CA. Ventura County Amateur Radio Society (VCARS), Simi Settlers ARC (SSARC), & other area Amateur Radio Operators. 21.320 14.255 7.260 3.810. QSL. Celebrated yearly since 2001 www.qrz.com/db/n6r

06/24/2019 | Simon Kenton Council, Delaware District, Cub Scout Day Camp Jun 24-Jun 28, 1330Z-1700Z, K2BSA/8, Lewis Center, OH. Delaware Amateur Radio Association K8ES. 14.290 7.190. QSL. We'll be operating each day from 13:30-19:30 from Camp Lazarus in Ohio. We'll have hundreds of scouts on the air over the course of the week.

06/28/2019 | Soo Locks Engineer's Day - 2019 Jun 28, 1300Z-2000Z, W8S, Sault Sainte Marie, MI. Eastern Upper Peninsula Amateur Radio Club. 14.240 7.220; 147.21 PL 107.2; 147.33 PL 107.2; other frequencies possible depending on conditions and available operators. QSL. W8S, Sault Area Contesting Klub.

06/29/2019 | 156th Anniversary of "The Battle of Gettysburg" Jun 29-Jul 10, 1200Z-0500Z, WO4L, East Berlin, PA. Bob Hess. 14.275 3.830 7.185 1.930. Certificate & QSL. Please follow QSL instructions on QRZ for full 11 x 14 full color Certificate and or a QSL card www.qrz.com/db/wo4l

06/29/2019 | Field Day Jun 22-Jun 23, 1800Z-1800Z, W7U, Cedar City, UT. Rainbow Canyons Amateur Radio Club. 14.225 7.235 3.925 3.530. QSL. blanchard@awinets.com or www.rcarc.info

06/29/2019 | Golden State Star Party (GSSP) Jun 29-Jul 3, 1500Z-2000Z, N6T, Adin, CA. Golden Gate Star Party. 14.225 14.025 7.175 7.025; CW and SSB. QSL. www.qrz.com/db/n6t

Available Gear

From the Bill Klope Sr. KW6PE donation:

4	ea.	Concrete mast bases price \$10 each
1	ea.	Cisco E 1200 Router
1	set	Gordon West Radio School Learn Morse Code cassette tapes
1	ea.	AT&T Cable Modem

Please contact Robert KM6RSS
805-275-2256

Yaesu FT-8 and accessories for sale

Please contact Ron KI6YAX
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

Prez Sez (cont from pg 2)

Ben K6QV volunteered to be our QSL manager and successfully developed (with input from several members) a new card design as well as sourced a printer. The club voted unanimously to accept the design and fund the cost. We're looking forward to seeing the 1,000 new cards!

Our May 4th picnic and swap meet was a great success, with 37 members and guests who attended. Of that total, we had 28 members and 9 visitors. A special thanks to Mark KI6YLH who purchased and cooked the hamburgers, hot dogs and chicken with all of the condiments and too many other goodies to list. Several of us tested rigs and antennas and some brought swap items. Be sure to check out the photos linked through our K6MEP.org website.

The Ride for the Red activity was held on Saturday May 18th. Several club members served as communications support for the 100 mile bicycle journey. A special thanks to the volunteers that assisted the riders with hydration and energy food.

Several of us participated with communications support for the Mountains to Beach Marathon, held on May 26. The event support action started early, with net control and other main support staff beginning the morning at 4:00 AM and working through the official end at 11:30 AM and beyond. Thanks to Kat K6VQN who was communications coordinator for this year's event.

Our K6MEP Monday Night Net Check-in contest (running from March 4th to December 9th), is continuing with a noticeable increase in the number of members who check-in (overall group average of 10.3). Clem still maintains the lead (so far) with a perfect record of check-ins (12) from the contest start date of March 4th to May 20th. The winner will be announced at the DecemberFest dinner on December 13th.

Looking Forward: At our next club meeting on June 14th, Stewart and Clem, as co-chairs, will lead the presentation timeslot with Field Day planning. Generally, Field Day begins with the set-up just after noon on Friday, June 21st, and continues with an overnight watch person or persons to keep an eye on the equipment. On Saturday, the real fun begins with the arrival of the operators and visitors and at 11:00 AM, the transmitters are fired up and Field Day officially starts. Many expect to operate throughout the night and into Sunday until the "window of opportunity" to make a contact closes at 11:00 AM. After that, equipment will be removed and the site cleaned up. Throughout the 24 hour event we expect to host visitors and provide refreshments. Mark KI6YLH is planning on bringing the club griddle and food and will be willing to cook some excellent main courses. According to QST's June 2019 edition, the 5 most popular outdoor foods are: 1. Hot Dogs, 2. Hamburgers, 3. Steak, 4. Corn on the Cob, and 5. BBQ Chicken. We'll be discussing food and drink preparations and assignments; thanks to all who will be attending, providing support, and participating in Field Day!

Safety Share:

June is National Safety Month (thanks to <https://blogs.cdc.gov/niosh-science-blog/2018/06/04/safety-month-2018/>), and, according to their website "is an opportunity to help prevent unnecessary injuries and deaths at work, on the roads, and in our homes and communities. With this year's theme, "No 1 Gets Hurt" (see logo, below), we are encouraging readers to think of at least one change you can make to improve safety this month. This joint blog from NIOSH and the National Safety Council (NSC) highlights the weekly themes of emergency preparedness, wellness, falls and driving. Help us spread the word about National Safety Month to your family, friends and co-workers. The month is divided into weekly safety topics Week 1: Emergency Preparedness, Week 2: Wellness, Week 3: Falls, and Week 4: Driving."

See you all at the Friday the 14th of June club meeting at the Dudley House with your Field Day plans, ideas, energy, and Ham Radio experiences!

73,

Robert Shank KM6RSS
President, VCARC



Upcoming FCC Exam Sessions

ON EXAM DAY BRING THE FOLLOWING ITEMS:

1. A legal photo ID (driver's license, passport).
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 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.
5. 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.
6. Two number two pencils with erasers and a pen.
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.
8. Bring a check, a money order or cash to cover the exam session fee(s). Check the ARRL VEC's current exam fee.

License Preparation and Sample Test Sites

<http://aa9pw.com/radio/>

<http://hamexam.org/>

<http://twit.tv/show/ham-nation> -- Weekly Webcast

<http://www.AmateurLogic.tv> -- Weekly Webcast

<http://www.eham.net/exams/>

<http://www.Facebook.com/HamStudy>

<http://www.hamradiolicenseexam.com> -- cost / on-line subscription

<http://www.hamstudy.org> (ICOM sponsored site) requires free registration

<http://www.qrz.com/ht/> -- requires free registration

<http://www.radioexam.org/>

Upcoming FCC Exam Sessions

06/01/2019 Time: 11:00 AM (Walk-ins allowed) Sponsor: **ARES LAX** VEC: ARRL/VEC Contact: James W. Laage (818) 368-8710 Email: cllaage@verizon.net Location: **Valley Presbyterian Hospital (Health Education Center)** 15107 Vanowen Street Van Nuys CA 91405-4542

06/05/2019 7:30 PM (Walk-ins allowed) Sponsor: **Baldwin Hills ARC** VEC: ARRL/VEC Contact: Edward L. Walker (323) 394-1818 www.barc.us Email: EDLWALKER@PACBELL.NET Location: **Round Table Pizza** 4330 Redondo Beach Blvd Torrance CA 90504-1031

06/08/2019 Time: 7:00 AM (No Walk-ins / Call ahead) Sponsor: **PAPA** VEC: Greater LA VEC Contact:

Norman M. Goodkin (818) 222-7893 Email: hamclass@goodkin.net Location: **Lulu's Family Restaurant** 16900 Roscoe Blvd Van Nuys CA 91406-1101

06/08/2019 Time: 9:00 AM (Walk-ins allowed) Sponsor: **South Bay ARC** VEC: ARRL/VEC Contact: Joseph M. Lanphen (310) 328-0817 Email: janphen@ca.rr.com www.w6sba.org for details Location: **Torrance Memorial Med Center** 3330 Lomita Blvd Rm A, 2nd Flr, West Tower Torrance CA 90505-5002

06/08/2019 Time: 11:00 AM (Walk-ins allowed) Sponsor: **ARES LAX** VEC: ARRL/VEC Contact: James R. Stoker (310) 775-5613 Email: jstoker@it.ucla.edu Location: **Huntington Hospital** 100 W California Blvd Pasadena

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- CA 91105-3010 Wingate Bldg East conf. Room; Check in Booth E parking Lot www.arrllax.org
- 06/09/2019** Time: 8:30 AM (Walk-ins allowed) Sponsor: **Conejo Valley ARC** VEC: ARRL/VEC Contact: Jeffrey M. Reinhardt (818) 706-3853 Email: jmreinhardt@sbcglobal.net Location: **Ventura County Sheriff's E County Station, Community Room** 2101 E Olsen Rd Thousand Oaks CA 91360-6861 Betw 23 Hwy & Reagan Library
- 06/15/2019** Time: 8:30 AM (Walk-ins allowed) Sponsor: **Downey ARC** VEC: ARRL/VEC Contact: Steve J. Grudzinski (951) 674-4699 Email: sgrudzinski1@verizon.net Location: **Fire Station #1** 12222 Paramount Blvd (1/2 Mile N Of Imperial Hwy) Downey CA 90242-3537
- 06/15/2019** Time: 8:30 AM (Walk-ins allowed) Sponsor: Downey ARC VEC: ARRL/VEC Contact: Robert P. Reeder (562) 553-2811 Email: paisley.reeder@gmail.com Location: First Baptist Church Downey 8333 2nd St Room 114 North Firestone Blvd. Downey CA 90242-3537
- 06/15/2019** Time: 12:00 PM (Walk-ins allowed) Sponsor: Pine Mountain ARC VEC: ARRL/VEC Contact: Irene M. Smith-Quick (661) 242-1345 Email: irenequick@gmail.com Location: Frazier Park Library 3732 Park Dr
- 06/23/2019** Time: 10:00 AM (Walk-ins allowed) Sponsor: Outdoor Adventure USA LLC VEC: ARRL/VEC Contact: David T. Kupfer (310) 919-7526 Email: k6dtk@oausa.net Location: MT Pinos Campground (Los Padres National Forest) Cuddy Valley Road Frazier Park CA 93225-9498 For more info, please visit: www.oausa.net
- 06/26/2019** Time: 11:00 AM (Walk-ins allowed) Sponsor: **ARES LAX** VEC: ARRL/VEC Contact: James R. Stoker (310) 775-5613 Email: jstoker@it.ucla.edu Location: **Huntington Hospital** 100 W California Blvd Pasadena CA 91105-3010 Wingate Bldg East conf. Room; Check in Booth E parking Lot www.arrllax.org
- 06/29/2019** Time: 9:00 AM (Walk-ins allowed) Sponsor: **ARALB-W6RO** VEC: ARRL/VEC Contact: F Louise Chapman (562) 429-1355 Email: n6elk@aol.com Location: **American Red Cross** 3150 E 29th St Redondo & Temple Long Beach CA 90806-2319
- 06/29/2019** Time: 10:00 AM (Walk-ins allowed) Sponsor: **Crescent Bay VE Grp/W6TRW ARC** VEC: ARRL/VEC Contact: Scott Swanson (310) 459-0337 Email: k6pyp@arrl.net Location: **Northrop Grumman** 1 Space Park Blvd (Bldg S Cafeteria) Parking lot off Marine Blvd Redondo Beach CA 90278-1001 (WEATHER PERMITTING DUE TO OUTDOOR PATIO LOCATION)
- 07/06/2019** Time: 11:00 AM (Walk-ins allowed) Sponsor: **ARES LAX** VEC: ARRL/VEC Contact: James W. Laage (818) 368-8710 Email: claage@verizon.net Location: **Valley Presbyterian Hospital (Health Education Center)** 15107 Vanowen Street Van Nuys CA 91405-4542
- 07/13/2019** 7:00 AM (No Walk-ins / Call ahead) Sponsor: **The PAPA system** VEC: Greater LA VEC Contact: Norman M. Goodkin (818) 403-5123 Email: hamclass@goodkin.net <http://papasys.org> Pre-registration required Location: **Spitfire Grill Restaurant** 3300 Airport Ave Santa Monica CA 90405-6130
- 07/13/2019** Time: 8:30 AM (No walk-ins) Sponsor: Santa Barbara ARC VEC: ARRL/VEC Contact: Darryl Widman (805) 969-2326 Email: kf6di@sbarc.org Location: **Impulse Communications** 1503 Cook Place, Ste C Goleta, CA 93117
- 07/13/2019** Time: 11:00 AM (Walk-ins allowed) Sponsor: **ARES LAX** VEC: ARRL/VEC Contact: James R. Stoker (310) 775-5613 Email: jstoker@it.ucla.edu Location: **Huntington Hospital** 100 W California Blvd Pasadena CA 91105-3010 Wingate Bldg East conf. Room; Check in Booth E parking Lot www.arrllax.org
- 07/20/2019** Time: 9:00 AM (Walk-ins allowed) Sponsor: **ARALB-W6RO** VEC: ARRL/VEC Contact: F Louise Chapman (562) 429-1355 Email: n6elk@aol.com Location: **American Red Cross** 3150 E 29th St Redondo & Temple Long Beach CA 90806-2319
- 07/21/2019** Time: 2:30 PM (No walk-ins) Sponsor: **Goodkin Ham Radio Classes** VEC: Greater LA VEC Contact: Norman M. Goodkin (818) 222-8793 Email: hamclass@goodkin.net Location: **Agoura Hills/Calabasas Community Center** 27040 Malibu Hills Rd Agoura Hills CA 91301-5332
- 07/27/2019** Time: 10:00 AM (Walk-ins allowed) Sponsor: **Crescent Bay VE Grp/W6TRW ARC** VEC: ARRL/VEC Contact: Scott Swanson (310) 459-0337 Email: k6pyp@arrl.net Location: Northrop Grumman 1 Space Park Blvd (Bldg S Cafeteria) Parking lot off Marine Blvd Redondo Beach CA 90278-1001 (WEATHER PERMITTING DUE TO OUTDOOR PATIO LOCATION)
- 08/03/2019** 10:00 AM (Walk-ins allowed) Test 1st Saturday Every Month Sponsor: AA6WC/Ali Hassan VEC: ARRL/VEC Contact: Ali Hassan (323) 758-0565 Email: aa6wc@prodigy.net Location: VE's Residence 6043 3rd Avenue Los Angeles CA 90043-2618
- 08/03/2019** Time: 11:00 AM (Walk-ins allowed) Sponsor: **ARES LAX** VEC: ARRL/VEC Contact: James W. Laage (818) 368-8710 Email: claage@verizon.net Location: **Valley Presbyterian Hospital (Health Education Center)** 15107 Vanowen Street Van Nuys CA 91405-4542
- 08/07/2019** 7:30 PM (Walk-ins allowed) Sponsor: **Baldwin Hills ARC** VEC: ARRL/VEC Contact: Edward L. Walker (323) 394-1818 www.barc.us Email: EDLWALKER@PACBELL.NET Location: Round Table Pizza 4330 Redondo Beach Blvd Torrance CA 90504-1031
- 08/10/2019** Time: 7:00 AM (No Walk-ins / Call ahead) Sponsor: **PAPA VEC: Greater LA VEC** Contact: Norman M. Goodkin (818) 222-7893 Email: hamclass@goodkin.net Location: **Lulu's Family Restaurant** 16900 Roscoe Blvd Van Nuys CA 91406-1101

K6MEP Keyer – The Journal of the Ventura County Amateur Radio Club

08/10/2019 Time: 9:00 AM (Walk-ins allowed) Sponsor: **South Bay ARC** VEC: ARRL/VEC Contact: Joseph M. Lanphen (310) 328-0817 Email: janphen@ca.rr.com www.w6sba.org for details Location: **Torrance Memorial Med Center** 3330 Lomita Blvd Rm A, 2nd Flr, West Tower Torrance CA 90505-5002

08/10/2019 Time: 11:00 AM (Walk-ins allowed) Sponsor: **ARES LAX** VEC: ARRL/VEC Contact: James R. Stoker (310) 775-5613 Email: jstoker@it.ucla.edu Location: **Huntington Hospital** 100 W California Blvd Pasadena CA 91105-3010 Wingate Bldg East conf. Room; Check in Booth E parking Lot www.arrlax.org

08/11/2019 Time: 8:30 AM (Walk-ins allowed) Sponsor: **Conejo Valley ARC** VEC: ARRL/VEC Contact: Jeffrey M. Reinhardt (818) 706-3853 Email: jmreinhardt@sbcglobal.net Location: **Ventura County Sheriff's E County Station**, Community Room 2101 E Olsen Rd Thousand Oaks CA 91360-6861 Betw 23 Hwy & Reagan Library

08/17/2019 Time: 8:30 AM (Walk-ins allowed) Sponsor: Downey ARC VEC: ARRL/VEC Contact: Robert P.

Reeder (562) 553-2811 Email: paisley.reeder@gmail.com Location: First Baptist Church Downey 8333 2nd St Room 114 North Firestone Blvd. Downey CA 90242-3537

08/17/2019 Time: 9:00 AM (Walk-ins allowed) Sponsor: **ARALB-W6RO** VEC: ARRL/VEC Contact: F Louise Chapman (562) 429-1355 Email: n6elk@aol.com Location: **American Red Cross** 3150 E 29th St Redondo & Temple Long Beach CA 90806-2319

08/17/2019 Time: 12:00 PM (Walk-ins allowed) Sponsor: **Pine Mountain ARC** VEC: ARRL/VEC Contact: Irene M. Smith-Quick (661) 242-1345 Email: irenequick@gmail.com Location: Frazier Park Library 3732 Park Dr

08/31/2019 Time: 10:00 AM (Walk-ins allowed) Sponsor: **Crescent Bay VE Grp/W6TRW ARC** VEC: ARRL/VEC Contact: Scott Swanson (310) 459-0337 Email: k6pyp@arri.net Location: **Northrop Grumman** 1 Space Park Blvd (Bldg S Cafeteria) Parking lot off Marine Blvd Redondo Beach CA 90278-1001 (WEATHER PERMITTING DUE TO OUTDOOR PATIO LOCATION)

Trivia for June 2019

DID YOU KNOW?

- 1. Mt Rushmore is still not finished.**
- 2. The first electric washing machine debut in 1908.**
- 3. June 10, 1962, the Hulk appeared in comic books.**

Remember!!! June 21 is the first day of summer.

de Dana KG6WXE

Upcoming HamFests & Conventions

ANNUAL Santa Maria SWAPFEST AND BBQ

June 15, 2019 Saturday of Father's Day Weekend Sorry, NO BBQ offered this year Please note the alternate location **Elk Lodge 1538, Santa Maria** 1309 N. Bradley Road, Santa Maria, CA 93454 GPS: 34° 57' 49" N, 120° 25' 16" .
Talk-in 145.14 (neg offset) tone 131.8 Admission & Parking -- FREE . **Sellers** 6:00 AM , No selling or swapping before 7:30 AM, \$15 per seller, must provide own table and chairs, \$15 per tail-gate, Only 1 vehicle allowed , Fee's collected on site . **Public** 7:30 AM , No purchasing before 7:30 AM . **Prize Drawings** \$1 each at the fest , 12:00, Noon Main raffle prizes, winner need not be present, if ticket has name and contact info , Lesser raffle prizes, winner must be present . **Food & Drink** In the morning, coffee and donuts provided by West Santa Barbara County ARES as a fund raiser <http://www.satellitearc.com/>

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

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

June 2019

9: Fathers' Day

14: Flag Day/ Regular Monthly Club Meeting at 7:30pm. K6MEP Board meeting precedes the club meeting at 7:00pm
Field Day Preps

22-23 ARRL Amateur Radio Field Day – Join us for Field Day at Oxnard College

July 2019

3: Moorpark 3rd of July Fireworks – ARES Support. Contact Marc KM6B km6b@arri.net

4: Independence Day – Celebrate Our Freedom

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

August 2019

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

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

K6MEP Keyer – The Journal of the Ventura County Amateur Radio Club

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 BÖZO

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(-) PL127.3 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.mrcgwest.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 Minutes (Cont fm pg 2)

NEW BUSINESS

Ben Holmes K6QV showed the final version of the QSL cards. Ben was nominated and voted to be the club's QSL manager Phil WA6BUZ showed the new club web site that he is building, which included the final version of the QSL cards. He also donated the costs for K6MEP.org, owned by the club.

Events:

Ride for the Red bike ride. 30 Hams have volunteered.

May 26 Mountains to Beach marathon/half marathon and 5K run. There were numerous volunteers from the county including some from our club.

June 4th Ventura County Ham Recognition Day; please come celebrate with us in the traditional yellow shirts.

Budget discussion for club events to provide funding for food and other items. The members approved independent budgeting; providers need to request funds that will be voted/approved before the event. A reasonable limit will be considered (~\$200).

GENERAL MEMBERSHIP MEETING

Notes:

Roll Call Total attendance: 33 Guests: 5

Meeting adjourned 22:44

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

CALL TO ORDER 19:00

President Robert Shank KM6RSS calls brief meeting

Secretary presented the minutes of the April 12th meeting and they were approved as read.

MEETING MINUTES

Secretary report: Membership and business calendar items; need to file Form SI-100 by end of year, and before Mar. File 199N E postcard. Bob Byl KD6UDA confirmed that he filed the SI-100.

Treasurer's report read by John Gartman W6JPG. Two science fair checks have not cleared yet.

Secretary will send Bob Brodie KJ6AAE and Robert Shank the latest copy of the membership list.

Treasurer needs to provide secretary with gross receipts amount for filing of the yearly 199N form. Due May 3

QSL cards have been ordered will arrive in about a week.

K6MEP.org domain has been ordered by Phil and given to club as a donation. Web site design is underway for our own custom web site.

Discussion on dues payment and prorated fee schedule.

Member in arrears more than 90 days may be dropped from membership rolls.

K6MEP Keyer – The Journal of the Ventura County Amateur Radio Club

Discussion on what a voting member is. Steve went through members to determine license status. Full members must be licensed.

Modification of the club membership form. A new form is being designed to simplify the process and includes the poll, designed by board member Steve Noll, so that speakers and topics can be scheduled to meet members' needs.

Club positions: Continued to discuss filling or removing current club "chairpersons" positions. Club needs for specific functions (Awards, Events) need to be defined.

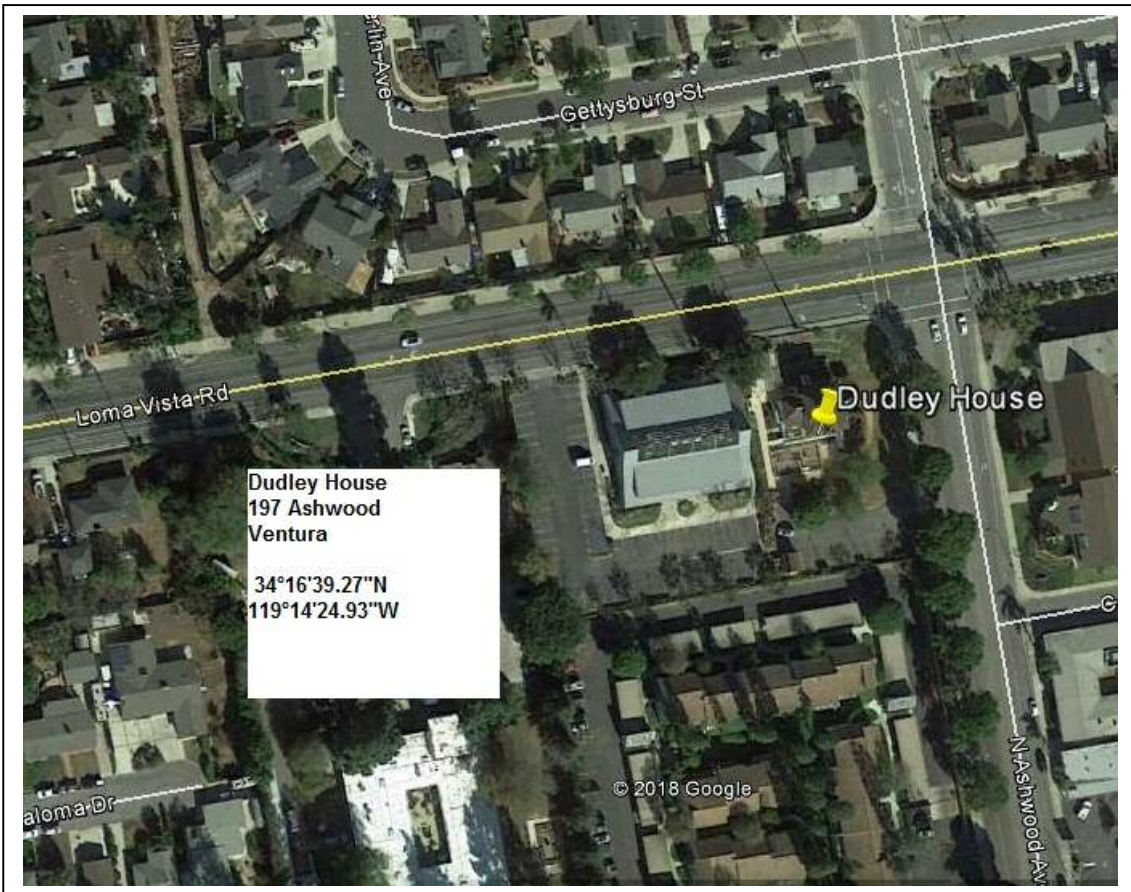
The secretary announced that there are 52 paid members as of the meeting date.

BOARD ADJOURN 19:31

Board meeting adjourned and proceed to General meeting.



Presentation at Ventura County Board of Supervisors' Meeting on 4 June 2019 declaring June as **Amateur Radio Month**



Low Audio for ISS SSTV Transmissions Raises Issue of Crew’s Ability to Intervene

04/25/2019

Reception problems owing to low audio levels plagued a recent round of Amateur Radio on the International Space Station-sponsored ([ARRISS](#)) slow-scan TV transmissions. Some clever operators on the receiving end were able to use software to bump up the deficient audio so the images would decode properly. But the matter raised questions concerning the ISS crew’s ability to troubleshoot problems and to make adjustments to the Amateur Radio gear on the fly. ARISS-International Chair and AMSAT Vice President for Human Spaceflight Programs Frank Bauer, KA3HDO, subsequently posted an explanation of how Amateur Radio fits into the operation of the ISS and the astronauts’ ability to service and operate it.

“Please remember that ARISS is not the prime activity on ISS,” Bauer said. “There are over 300 international experiments currently operational on ISS on this expedition. I just heard in a teleconference last week that that number will go to about 500 experiments in the next 1 – 2 years.”

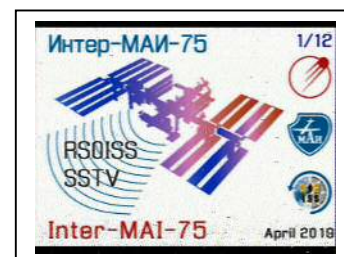
Bauer said the vast array of ongoing experiments means it’s only possible to “occasionally get suggestions to the crew” to make changes relative to the Amateur Radio payload. “Any workarounds on any experiment/payload will compete with the crew’s already fully booked schedule,” Bauer explained. “Several ARISS team members, particularly our teammate in Russia, were out of pocket this past weekend. Our Russian colleague was informed of the [low audio] issue early on and acknowledged the issue. But he also needs to get tied into Mission Control. That is difficult from afar. And even if we ask for a change, it is challenging to get the crew time to make this happen, especially if it is outside the flight planning stage.”

Bauer said that once ARISS has its Interoperable Radio System on board, it plans to augment the system with ground-command capability. “We have already developed a concept for this capability,” Bauer explained. “Once in place, we will be able to do many things with our radio without crew intervention, including mode changes to support SSTV, APRS, voice repeater, etc. This capability will also be important if we fly ham radio on the Lunar Gateway, which will not have crew on it 24/7.”

Bauer pointed out that keeping ARISS afloat and able to implement new Amateur Radio capabilities requires “a great deal of funding.”

“As an example, ARISS currently has two individuals on travel to NASA Johnson running tests for the Interoperable Radio System,” he said. “This is one of three trips required to get the radio system ready for flight. Each will cost ARISS about \$3,000 in travel — nearly \$10,000 for these three testing events. Also, this past week, we spent \$1,100 to transport the HamTV that was returned from ISS back to Italy to undergo troubleshooting to potentially repair the anomaly we experienced on ISS.”

Bauer used the opportunity to note that ARISS has a fundraising activity under way to get the Interoperable Radio System ready for launch. “We need \$150,000 by the end of this year and are well short of our goal right now,” he pointed out. “If you really want to see improvements in the ISS radio system from where it is today, please strongly consider donating to ARISS. At some donation levels, your call sign and name will be included on the interoperable radio system that will fly to ISS!” —
Thanks to AMSAT News Service

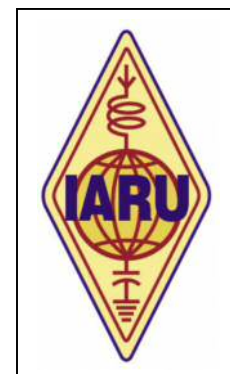


IARU Argues for Protection from Wireless Power Transfer Spurious Emissions

04/24/2019

The International Amateur Radio Union (IARU) was represented April 8 – 10, when [CEPT Committee SE24 – Short Range Devices](#) met in Ankara, Turkey, to undertake further work concerning wireless power transfer/transmission (WPT). SE24 is considering WPT for electric vehicles (WPT-EV) and also for generic applications.

IARU already provided extensive input on the potential impact on radio communications resulting from spurious emissions from WPT devices, as detailed in [CEPT ECC Report 289](#), published in January. According to that report, given the planned density of WPT systems for electric vehicles operating in the 79 – 90 kHz range, it is calculated that there will be a widespread and serious impact for the Amateur Service in the vicinity of WPT systems, should spurious emissions, measured at 10 meters, be at the current limits of [ERC Recommendation 74-01](#).

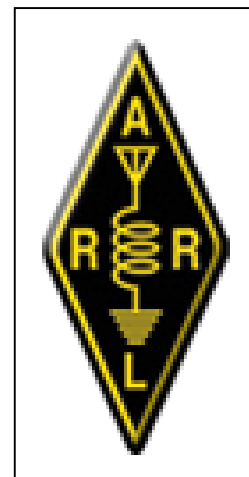


At the Ankara meeting, IARU and other interested parties provided further input. SE24 will meet again in early July to focus on WPT issues.

Also at Ankara, IARU attended the Short-Range Devices Maintenance Group meeting (SRD/MG), where it was noted that further work was needed in SE24 before spurious emission limits for WPT devices could be addressed in a regulatory sense. IARU was represented in Ankara by IARU Region 1 President Don Beattie, G3BJ, who is spearheading the IARU's work in this area.

The issue of WPT-EV is World Radiocommunication Conference 2019 (WRC-19) Agenda Item 9.1.6, for which studies are still under way. Broadcasters, land mobile services, and others have also expressed concern about spurious WPT-EV emissions. Further work remains regarding generic WPT systems for such applications as cell phone charging, power tools, and household appliances.

ARRL Reply Comments Stress Need to Update Technician Privileges in a Digital World



05/01/2019

In [reply comments](#) to the FCC (comments on comments already filed) on its [Petition for Rule Making](#) (RM-11828), ARRL has stressed that updating HF privileges for the entry-level Technician license “is the sole subject and intent” of the petition. ARRL filed its reply comments on April 29, urging the FCC to disregard comments irrelevant to its petition and maintaining that Technician privileges must be relevant within the context of today’s technological environment.

“[T]he increasingly rapid pace of change in communications technologies, coupled with the national need for self-training in science, technology, engineering, and math” necessitate the rule changes requested, ARRL asserted. “ARRL made its request because of the gap between today’s digital technologies and the privileges accorded the current entry-level Technician license.” ARRL characterized its proposal to update the rules as “balanced and modest.”

“If adopted, there would be no change to the operating privileges for all licenses classes other than those of the Technician class,” ARRL said. ARRL in 2018 asked the FCC to expand HF privileges for Technician licensees to include limited phone privileges on 75, 40, and 15 meters, plus RTTY and digital mode privileges on 80, 40, and 15 meters. The FCC invited comments on the proposal in April.

ARRL pointed out that some comments filed on its petition address subjects related to other open proceedings rather than expanding Technician privileges, citing comments cross-filed in such proceedings as WT Docket 16-239, RM-11708, RM-11759, and RM-11831. “Those filings should be considered in the proceedings that they address, rather than here,” ARRL said.

ARRL said some opposition appears based on fears of increased interference potential due to additional digital operation by Technicians. “It is improbable that all, or even a majority, of Technician licensees suddenly would develop a passion for the same digital technology,” ARRL said. “Our hope and expectation is that many will engage with digital modes on the high-frequency spectrum at issue, but it is unrealistic to suggest that every Technician licensee blessed with new privileges would suddenly appear on the same band.”

The comments note the development of very efficient digital modes such as FT8, which occupies just 90 Hz of spectrum per signal. “The experience with FT8 clearly demonstrates the attraction of the digital modes *and* the spectrum efficiencies that can be achieved,” ARRL said. “This is why opening up limited digital opportunities to new radio amateurs so clearly would serve the broad public interest as well as the specific purposes of Amateur Radio in experimentation and innovation, as enumerated in the governing FCC rules.”

ARRL further said that comments regarding disagreement on the definition of encryption for masking the content of certain digital transmissions also are “out of place in this proceeding” and “should not delay initiation of a proceeding” proposing to update Technician privileges.

“Technology has changed dramatically in the Amateur Radio domain, and the ARRL believes the requested Technician license enhancement would foster the regulatory goals for the Amateur Service and continue to increase amateurs’ historical experimentation and service in a meaningful way,” ARRL concluded.

Central States VHF Society Soliciting Papers, Presentations, and Poster Displays

05/01/2019

The Central States VHF Society ([CSVHFS](#)) is soliciting papers, presentations, and poster displays for the 53rd annual CSVHFS Conference, July 25 – 27, in Lincoln, Nebraska. Topics may include all aspects of weak-signal VHF and higher Amateur Radio activities are welcome. You do not have to attend the conference or to present in order to have it included in the conference *Proceedings*.

Topics of interest include antennas, low-noise preamps, construction, RF amplifiers, propagation, test equipment, regulatory topics, Earth-Moon-Earth, operating, digital signal processing, software-defined radio, and digital modes.

Submit papers for the *Proceedings* to [Kent Britain, WA5VJB](#), no later than May 12. Coordinate presentations and posters with [Donn Baker, WA2VOI](#), no later than June 2. For more information, visit the [CSVHFS website](#) (“Guidance for Proceedings Authors,” “Guidance for Presenters,” and “Guidance for Table-Top/Poster Displays”).



World Scout Jamboree Gearing Up for Significant Amateur Radio Presence

04/30/2019

Amateur Radio will play a role in this summer’s 24th World Scout Jamboree in West Virginia, the first World Jamboree held in North America. The Jamboree has chosen the theme “Unlock a New World.” Thousands of Scouts and Scout leaders from some 200 countries are expected to attend. The Jamboree’s Amateur Radio Exhibit will use the call sign [NA1WJ](#) — North America’s 1st World Jamboree. It will be on the air during the event, July 22 until August 2, at the Summit Bechtel Reserve, hosted by Canada, Mexico, and the US. Amateur Radio testing is expected to begin as early as July 14. Operating frequencies will be posted in real time via [Facebook](#) and [Twitter](#) or via an [NA1WJ email group](#).

“The goals of the Amateur Radio station at the World Scout Jamboree are to introduce Amateur Radio to Scouts and Scout leaders through hands-on participation in two-way communication with other stations across the globe. This activity will also serve as the Amateur Radio voice of the Jamboree,” the [World Scout Jamboree Amateur Radio Exhibit Operational Vision document](#) states. Other facets of Amateur Radio at the Jamboree will include Amateur Radio direction finding (ARDF), Amateur Radio satellite contacts, and a scheduled Amateur Radio on the International Space Station (ARISS) contact with an ISS crew member.

“We also expect to launch one or two balloons with Amateur Radio payloads and track them as they cross the Atlantic,” the vision document continues.

Organizers are encouraging radio amateurs around the globe to get on the air during the World Jamboree to help NA1WJ demonstrate Amateur Radio for Jamboree visitors.

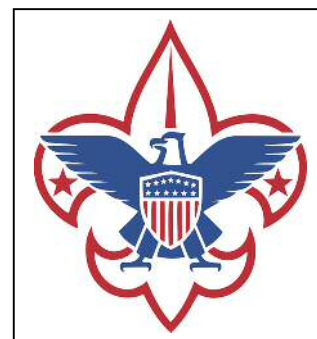
The 2019 World Scout Jamboree operation at the Summit Bechtel Scout Reserve will take advantage of lessons learned by the K2BSA Amateur Radio operation during the 2013 and 2017 USA National Jamborees. It will also take advantage of the existing infrastructure, which includes three VHF/UHF repeaters installed by Icom America, as well as the utility poles for installing antennas. K2BSA ham gear stored in West Virginia includes antennas, rotators, and cables.

Evening operation from NA1WJ will involve at least two operators using the buddy system. VHF-UHF repeaters will offer full coverage of the Jamboree area via handheld transceivers, facilitating networking as well as emergency communication. The exhibit will include an Amateur Radio station with the special event call sign W8J.

The Demonstration Station will include multiple operating positions offering a variety of modes. These include six stations with 100 W HF transceivers, computer logging software, and large screen computer displays; two VHF-UHF stations for demonstrations and repeater monitoring, and two satellite communication systems. The antenna farm will include two HF directional antennas, three HF dipoles, three HF vertical antennas, VHF/UHF verticals and satellite antennas with azimuth and elevation control, a trailer-based crank-up tower, a five-band Yagi, a 40-meter rotatable dipole, and a 6-meter Yagi.

Each station will be able to accommodate four participants at a time, plus one control operator. The goal is to give each participant up to about 10 minutes of operating time

The K2BSA Amateur Radio Association will host a “Radio Scouting” booth at [Hamvention®](#) (Booth 2205 in Building 2).



ITU-R Working Party 5A Groups Meeting in Geneva

05/02/2019



[IARU Region 1](#) reports that three International Telecommunication Union-Radiocommunication Sector (ITU-R) Study Group 5 working groups are meeting in Geneva until May 10. **Working Party 5A** deals with the Land mobile service above 30 MHz, excluding International Mobile Telecommunications (IMT), wireless access in the fixed service and the Amateur and Amateur-Satellite services. Working Group 5A1, responsible for Amateur Radio matters is chaired by Dale Hughes, VK1DSH.

The main task is to finalize a technical report on spectrum requirements and sharing to support the work for World Radiocommunication Conference 2019 (WRC-19) Agenda Item 1.1, considering an allocation of the frequency band 50 – 54 MHz to the Amateur Service in Region 1. The Working Group consists of a mix of radio amateurs and administrations from all over the world, as well as other interested parties, such as meteorologists and military.

In addition to Hughes, amateurs present in WP 5A include IARU Vice President Ole Garpestad, LA2RR; IARU representative Dave Court, EI3IO; CEPT Coordinator Hans Blondeel Timmerman, PB2T; DARC representatives Ulrich Mueller, DK4VW, and Bernd Mischlewski, DF2ZC, and CRAC representative Yin Hu, BD1AZ.

GNU Radio Conference 2019 Seeks Papers, Presentations



05/12/2019

The 2019 GNU Radio Conference ([GRCon19](#)), September 16 – 20 in Huntsville, Alabama, is seeking papers and presentations for the event. Submissions are due by July 1.

The GNU Radio Conference highlights the substantial and remarkable progress of the world's premier open-source digital signal processing framework for software-defined radios. In addition to presenting GNU Radio's theoretical and practical presence in academia, industry, the military, and among radio amateurs and hobbyists, GNU Radio Conference 2019 will have a special focus on the 50th anniversary of NASA's Apollo 11 mission, which landed the first humans on the moon — hence, the selection of "The Rocket City," home to NASA's Marshall Space Flight Center, as the venue.

Organizers are inviting developers and users from the GNU Radio community to present projects, presentations, papers, posters, and problems at GRCon19. Papers for inclusion in the *Technical Proceedings* are welcome, but submitters do not need to submit papers to the *Proceedings* in order to present at GRCon19. For more information visit the [GRCon19 website](#).

ARRL Invites Applications for Volunteer Monitor Positions

05/14/2019

ARRL is now accepting [applications](#) from individuals interested in becoming part of the new [Volunteer Monitor program](#), a joint undertaking of ARRL and the FCC. The program seeks volunteers who — working under the direction of ARRL — will monitor and survey the Amateur Radio bands both to detect improper activity and to recognize exemplary on-the-air behavior.

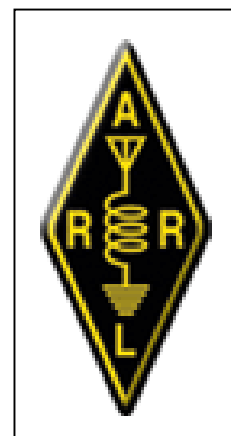
Prospective Volunteer Monitors must be ARRL members. They will undergo a training and certification program administered by ARRL, and will be vetted by ARRL through at least one oral interview and a preliminary evaluation by ARRL staff. Such requirements will continue for Volunteer Monitors once they are selected.

Volunteer Monitors will serve 3-year terms at the pleasure of ARRL, and ARRL will reserve the right to terminate the participation of any Volunteer Monitor for any reason.

Volunteer Monitors must be able to utilize state-of-the-art receiving equipment and to access no-cost remote receive sites, if requested. Applicants must possess strong writing and communication skills and an understanding of the importance of thorough documentation. They must have basic word processing and data entry skills and be able to send such information, including recordings, to ARRL electronically.

Applicants must have no history of warning letters or other enforcement-related action from the FCC, must hold a Technician or higher license class, and must have been licensed for at least 3 years.

Applicants should send applications to volunteer-monitor@arrl.org for processing.



In February, Riley Hollingsworth, K4ZDH, was named to oversee the development and implementation phases of the Volunteer Monitor program, which will replace the Official Observers (OO) program. Hollingsworth once handled Amateur Radio enforcement for the FCC.

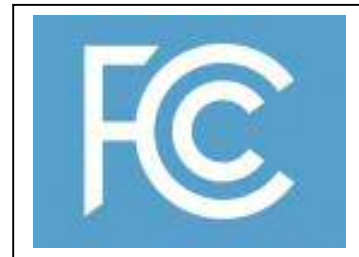
The FCC is Not Reinstating a Vanity Call Sign Fee

05/16/2019

An erroneous report this week suggested that the FCC planned to again impose an Amateur Radio vanity call sign application (regulatory) fee of \$70 for the 10-year term. This incorrect conclusion resulted from an incomplete reading of the May 7 FCC *Notice of Proposed Rulemaking (NPRM)* in the matter of the assessment and collection of regulatory fees for fiscal year 2019.

Although the Schedule of Regulatory Fees does show a \$7 annual fee for Amateur Radio vanity call signs, a boldface heading in that section of the *NPRM* states, “**REGULATORY FEES. This section is no longer in effect as it has been amended by RAY BAUM’S Act of 2018...**” Section 9(e)(2) of RAY BAUM’S Act gives the Commission discretion to exempt a party from paying regulatory fees when the FCC determines that the cost of collection exceeds the amount collected. A new section 9(e)(1) incorporated the Amateur Radio vanity fee exemption from FCC rules into the statute.

The *NPRM* makes clear in several other places that regulatory fees no longer apply to Amateur Radio licenses. The FCC eliminated the regulatory fee for Amateur Radio vanity call signs in 2015.



FCC Re-Charterers Technological Advisory Council for New Term

05/22/2019

The FCC has re-chartered its Technological Advisory Council (TAC) for a 2-year term. Comprised of a diverse group of leading technology experts, the TAC provides technical expertise to the FCC to identify important areas of innovation and develop informed technology policies.

Greg Lapin, N9GL, will continue to represent ARRL on the TAC.

“The TAC will consider and advise the Commission on a variety of topics such as the deployment of 5G technology, the evolution of broadband networks and devices and their implications, the spectrum needs of unmanned aircraft systems, new developments in antenna technology, and the applications of artificial intelligence to telecommunications networks,” the FCC said in announcing the re-charter.

Dennis Roberson, Executive Chairman of entigenlogicTM, chairs the Council. Michael Ha, Deputy Chief of the FCC Policy and Rules Division, is the Designated Federal Officer. The TAC will next meet on June 21. The public is welcome. -- *FCC News Release*



June Event in Europe to Assess Activity, Ability to Share Spectrum on 6 Meters

05/21/2019

The International Amateur Radio Union ([IARU](http://www.iaru.org)) has thrown its support behind an upcoming operating event on 6 meters aimed at assessing activity on 6 meters and the ability of Amateur Radio to share spectrum with government users on the band. The worldwide Amateur Radio community is invited to participate in the Czech-sponsored Pohotovostní (readiness) Test — or “P-Test” — which will take place on June 13. Agenda Item 1.1 for World Radiocommunication Conference 2019 (WRC-19) will consider an Amateur Service allocation in the 50 – 54 MHz band in Region 1 (Europe, Africa, Asiatic Russia), taking into account studies looking into sharing between the Amateur Service and the mobile, fixed, radiolocation, and broadcasting services, “in order to ensure protection of these services.”

The Czech Republic’s telecommunications regulator CTO is investigating if theoretical study results match real life. The June test follows an initial trial that took place in late February in the Czech Republic. One objective was to verify that military and Amateur Radio stations could coexist on the band. The second test will take place when enhanced propagation is more likely. During the event, other 50 MHz band users will operate their own communication systems, and the IARU has cautioned radio amateurs not to interfere with their activities.

“The purpose of this event is to show regulators that amateurs and military stations can



coexist without causing harmful interference to each other,” said an IARU Region 1 [news article](#) by Hans Blondeel Timmerman, PB2T.

The June 13 event will take place in two activity periods: The first will run from 0730 until 0900 UTC, and the second will take place from 1100 to 1230 UTC. Participating stations will call “CQ P (Contest)” and exchange signal reports, a sequential serial number, a six-character grid locator, and a geographical location.

Maximum power output will be 25 W PEP, the maximum power under Czech Amateur Radio Service regulations. Stations outside of the Czech Republic are requested to use the same output power to enable comparisons with the February test. The use of spotting networks is permitted. [Submit](#) logs no later than 1230 UTC on June 15.

“We would like to involve amateur stations experimenting with wideband modes in this test,” the IARU news article said. This could include reduced-bandwidth digital television or other wide-band emissions. Such stations would participate in the second activity period.

“There needs to be as much activity as possible on the band during these two periods, preferably sticking to the Czech power limit of 25 W ERP,” said UK Six Metre Group Chair Chris Deacon, G4IFX. “It doesn’t matter whether the band is open or not; just get on the air using SSB, CW, digital, or all three. This is your chance to do something to help the 50 MHz community in Europe and beyond.”

Special Event Station Chain to Mark 75th Anniversary of D-Day

05/28/2019

June 6 will mark the 75th anniversary of Operation Overlord during World War II and the D-Day landings in Normandy. To commemorate those who took part, a small team from the Torbay Amateur Radio Society ([TARS](#)) in England is organizing a chain of five special event stations along the UK’s southern coastline. Each will be based in the geographical area of a beach-landing force point of departure and will use a relevant call sign.

TARS will activate a site above Brixham Harbour in Devon — a departure point for many US soldiers who later landed on Utah Beach and will use the call sign GB75UF.

Other clubs activating similar relevant locations will use these call signs: GB75OF — Omaha Beach, South Dorset Radio Society; GB75GF — Gold Beach, Southampton ARC and Soton University Wireless Society; GB75JF — Juno Beach, Itchen Valley ARC and Waterside New Forest ARC, and GB75SF — Sword Beach, Fort Purbrook ARC.

In addition, TARS hopes to have two club stations from the Normandy area of France activating sites on the beaches. Logging is being coordinated centrally, and stations who contact two or more of the stations within the chain will be able to download a suitable certificate to commemorate their achievement. Details on logging, certificates, and operating frequencies will be available on the [TARS website](#). [Contact](#) the organizing team via email.

SSB frequencies will include 3.644, 7.144, 14.144, 18.144, 21.244, 24.944, and 28.244 MHz (data only on 10.144 MHz). Stations operating on CW or data will attempt to use similar frequencies ending in 44.

(Editor’s Note – 28.244 appears to be in the CW/Data portion of the 10M Band per the North American Band Plan)



RSGB Cricket World Cup Radio Marathon Set

05/28/2019

The Radio Society of Great Britain (RSGB) has announced a Cricket World Cup Amateur Radio Marathon, from May 30 until July 14. The Cricket World Cup will take place in England and Wales. UK and international call signs will be active on nine HF bands on SSB, CW, and digital modes. Award certificates will be offered based on the number of contacts made with the special UK and international stations.

Sponsors are inviting other countries to take part and to activate special call signs with the suffix “19CWC” or similar. A total of 31 special call signs will be on the air in the UK, with GB19CWC representing the 2019 Cricket World Cup Headquarters in England. Listen for other “GB19” prefix call signs. Teams will field special event stations as well.

[Details](#), including the rules for awards and a list of international call signs, are on the RSGB website. [Follow your progress](#) on the Ham Log website. [Email](#) for more information on the marathon. — *Thanks to Nick Totterdell, G4FAL*



Mexican Amateur Radio Volunteers Providing Communication in Wildfire Response



05/30/2019

Mexican radio amateurs have been providing communication support from a fire scene in a remote area to civil protection authorities in Monterrey, Mexico. Two-member teams of volunteers have been flown in via helicopter since May 20, the first day of radio support, when the fire had already been burning for a couple of days. The fire in Pajonal — about 20 kilometers south of Monterrey — covered more than 200 acres in rough terrain. Temperatures have topped 100 °F.

Fueled by hot and dry conditions, Mexico's 2019 fire season has been intense, leading to poor air quality. As of mid-May, more than 100 wildfires were active in 17 Mexican states.

Teams had been using *Winlink* but added the weak-signal software *Vara HF*, after José Alberto Nieto, EA5HVK, provided a *Vara* license on short notice. Tom Whiteside, N5TW, in Georgetown, Texas, has been supporting the effort from across the border. He has 40- and 20-meter arrays pointed in the direction of the fire in Nuevo Leon. Alfonso Tamez, XE2O, president of Mexico's IARU member-society Federación Mexicana de Radioexperimentadores ([FMRE](#)), has been among the volunteers.

In addition to HF digital traffic, the volunteer teams have been taking advantage of VHF repeaters. HF antennas consist of a 40-meter dipole for 40 and a steerable portable dipole. A generator is providing electrical power.

On May 23, the team had to be pulled out of the fire zone due to severe thunderstorms. Amateur Radio support for the fire teams was planned to continue at least until May 30, at which point the need for continued support would be evaluated.

Emergency Messaging Demonstration for Red Cross, FEMA is a Success

05/30/2019

With Red Cross and Federal Emergency Management Agency (FEMA) officials monitoring, dozens of radio amateurs along the US east coast on May 23 demonstrated Amateur Radio's ability to deliver messages without commercial power, infrastructure, or permanently established stations. The event took place in coordination with ARRL. The demonstration was a mock response to a simulated disaster scenario — a major hurricane with mass casualties. During the event, radio amateurs at portable stations from New England to the Carolinas delivered message traffic to W1AW, which coordinated and delivered the information to officials attending a joint Red Cross-FEMA meeting in Baltimore.

"About a dozen stations participated in the demonstration, including operators in Maine, Rhode Island, Massachusetts, New York, northern New Jersey, western Pennsylvania, Delaware, and South Carolina," ARRL Communications Manager Dave Isgur, N1RSN, said. "Red Cross officials were on-site at W1AW and at the receiving station in Baltimore. At both sites, they indicated that were impressed with Amateur Radio's ability to deliver messages digitally so that could be displayed on a computer screen and in a format that matched the format for messages that the Red Cross uses." Isgur said ABC, CBS, and Fox TV affiliates sent reporting teams to W1AW.

A few stations, including W1AW and stations in Baltimore, generated local media coverage of their participation, much of it tied into the notion of "Amateur Radio operators and the partner agencies they serve are getting ready for 2018 Hurricane season." Hurricane Season begins on June 1 and continues through November 30.

W1AW Station Manager Joe Carcia, NJ1Q, said the exercise went well overall. "Conditions were a bit tepid at best, but we were able to establish voice contact first, and then proceed with the digital traffic (MT63-1KS) during the roll call," Carcia said. "Digital signals were good. I needed just one retransmit. We used *fldigi* with *flmsg*. This made life so much easier."



*To join Ventura County Amateur Radio Club, Inc.
send form, along with \$20.00 annual dues to P.O. Box 2103, Oxnard CA 93034-2103*

Pro Rate Dues as follows: Oct thru Dec = \$20.00, Jan thru Mar = \$15.00, Apr thru June = \$10.00, July thru Sept = \$5.00

Name _____ Call _____ E-mail _____
 Street _____ City _____ State _____ ZIP _____
 Date _____ New Member ___ Renewing ___ ARRL? yes ___ no ___ Telephone _____

I'd Like To See/Do...

TOPIC	YOUR INTEREST LEVEL			COMMENTS
	Meh ☹	Ok	Yayy! ☺	
All about coax cables				
Amateur Radio Satellites				
Antenna construction project				
Antenna ordinances				
ARES, ACS, CERT, RACES, MARS, SkyWarn				
Assembling a Go-Box				
Assembling a test lab				
Best bands to get on & what to expect				
Construction projects, like				
DXpeditions				
Ferrites, and demonstrations of.				
Field Day – Strategies, Tactics and Techniques				
FRS & GMRS - what are those?				
Ham Radio projects for Arduinos & Raspberry Pi				
VHF Digital Modes: D-Star, Packet, APRS				
HF Digital Modes: RTTY, JT65, WSPR, PSK31, PACTOR, FT8				
How to use a DMM (Digital Multimeter)				
How to use an oscilloscope				
License Upgrade Class				
Local Repeaters You Can Hit				
MESH				
Moonbounce				
More social events, picnics, etc.				
NVIS for regional HF communications				
QSLs, QSL cards, ARRL LOTW, eQSL				
Resistors & Capacitors - explained & demonstrated				
SDR - Software Defined Radios				
Compact HF antennas				
Soldering				
Sulphur Mountain Repeater Association				
SWR, Meaning and Measurement.				
T-Hunting				
Troubleshooting				
Vacuum Tubes				
VHF and Above Contesting				
What's DTMF, CTCSS, and PL?				
Power amplifiers and receiver preamplifiers				
Assembling Emergency Supplies				
The Love of Morse Code. Keys, Paddles & Bugs.				
The HF Reverse Beacon Network				
Nothing, I just want to get out of the house.				
ARRL American Radio Relay League topics				

I can give a presentation on: _____

ARRL Field Day 2019 Rules

1. **Eligibility:** Field Day is open to all amateurs in the areas covered by the ARRL/RAC Field Organizations and countries within IARU Region 2. DX stations residing in other regions may be contacted for credit, and may submit entries as check-logs.
2. **Object:** To work as many stations as possible on any and all amateur bands (excluding the 60, 30, 17, and 12-meter bands) and in doing so to learn to operate in abnormal situations in less than optimal conditions. A premium is placed on developing skills to meet the challenges of emergency preparedness as well as to acquaint the general public with the capabilities of Amateur Radio.
3. **Date and Time Period:** Field Day 2019 will be held June 22-23. Field Day is ALWAYS the fourth full weekend, beginning at 1800 UTC Saturday and ending at 2059 UTC Sunday.
 - 3.1. Class A and B (see below) stations that do not begin setting up until 1800 UTC on Saturday may operate the entire 27-hour Field Day period.
 - 3.2. Stations who begin setting up before 1800 UTC Saturday may work only 24 consecutive hours, commencing when on-the-air operations begin.
 - 3.3. No class A or B station may begin its set-up earlier than 0000 UTC on the Friday (Thursday afternoon or evening local time) preceding the Field Day period. Cumulative set-up time shall not exceed a total of 24 hours.
4. **Entry Categories:** Field Day entries are classified according to the maximum number of simultaneously transmitted signals, followed by a designator indicating the nature of their individual or group participation. The minimum number of transmitters that must be claimed is one (1). Twenty (20) transmitters maximum are eligible for the purpose of calculating bonus points (2,000 points maximum). However, additional transmitters which may legitimately be used simultaneously will determine your entry category classification, but will not earn additional bonus points (i.e. 22 transmitters = 22A). The use of switching systems that allow for lock-outs in order to use multiple transmitters (i.e., an “octopus”) in an attempt to enter a lower-number-of-transmitters class are prohibited (i.e. using 2 transmitters that can transmit simultaneously, with two operators, and a lock-out system and entering class 1A). The use of simulcasting devices which allow a single operator to key and transmit on more than one transmitter at a time, is prohibited. Bonus stations, such as the GOTA station and satellite station do not count towards determining the number of transmitters for the class and do not qualify for transmitter bonus points.
 - 4.1. **(Class A) Club / non-club portable:** Club or a non-club group of three or more persons set up specifically for Field Day. Such stations must be located in places that are not regular station locations and must not use facilities installed for permanent station use, or use any structure installed permanently for Field Day. A single licensee or trustee for the entry is responsible for the group entry. All equipment (including antennas) must lie within a circle whose diameter does not exceed 300 meters (1000 feet). To be listed as Class A, all contacts must be made with transmitter(s) and receiver(s) operating independent of commercial power mains. Entrants whom for any reason operate a transmitter or receiver from a commercial main for one or more contacts will be listed separately as Class A-Commercial.
 - 4.1.1. **Get-On-The-Air (GOTA) Station.** Any Class A (or F) entry whose transmitter classification is two or more transmitters may also operate one additional station without changing its base entry category, known as the GET-ON-THE-AIR (GOTA) station. This GOTA station may operate on any Field Day band, HF or VHF, but is limited to one GOTA station transmitted signal at any time.
 - 4.1.1.1. This station must use a different callsign from the primary Field Day station. The GOTA station must use the same callsign for the duration of the event regardless if operators change. The GOTA station uses the same exchange as its parent.
 - 4.1.1.2. The GOTA station may be operated by any person licensed since the previous year’s Field Day, regardless of license class. It may also be operated by a generally inactive licensee. Non-licensed persons may participate under the direct supervision of an appropriate control operator. A list of operators and participants must be included on the required summary sheet to ARRL HQ.
 - 4.1.1.3. As per FCC rules, this station must have a valid control operator present at the control point if operating beyond the license privileges of the participant using the station.
 - 4.1.1.4. The maximum transmitter output power for the GOTA station shall be 150 watts. If the primary Field Day group is claiming the QRP multiplier level of 5, the maximum transmitter output power of the GOTA station may not exceed 5 watts.



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- 4.1.1.5. A maximum of 500 QSOs made by this station may be claimed for credit by its primary Field Day operation. In addition, bonus points may be earned by this station under rule 7.3.13.
- 4.1.1.6. The GOTA station may operate on any Field Day band. Only one transmitted signal is allowed from the GOTA station at any time.
- 4.1.1.7. The GOTA station does not affect the additional VHF/UHF station provided for under Field Day Rule 4.1.2. for Class A stations.
- 4.1.1.8. Participants are reminded that non-licensed participants working under the direction of a valid control operator may only communicate with other W/VE stations or with stations in countries with which the US has entered a third-party agreement.
- 4.1.1.9. The GOTA station does not qualify as an additional transmitter when determining the number of transmitters eligible for the 100-point emergency power bonus under Rule 7.3.1.4.1.2. Free VHF Station: All Class A entries may also operate one additional transmitter if it operates exclusively on any band or combination of bands above 50 MHz (VHF/UHF) without changing its basic entry classification. This station does not qualify for a 100-point bonus as an additional transmitter. This station may be operated for the clubs Field Day period and all contacts count for QSO credit. It is operated using the primary callsign and exchange of the main Field Day group and is separate and distinct from the GOTA station.

- 4.2. (Class A - Battery) Club / non-club portable:** Club or non-club group of three or more persons set up specifically for Field Day. All contacts must be made using an output power of 5 Watts or less and the power source must be something other than commercial power mains or motor-driven generator (e.g.: batteries, solar cells, water-driven generator). Other provisions are the same for regular Class A. Class AB is eligible for a GOTA station if GOTA requirements are met; however if a GOTA station is used in this class it must meet the 5-Watt or less power requirement of this category.
- 4.3. (Class B) One or two person portable:** A Field Day station set up and operated by no more than two persons. Other provisions are the same for Class A except it is not eligible for a GOTA or free VHF station. One and two person Class B entries will be listed separately.
- 4.4. (Class B - Battery) One or two person portable:** A Field Day station set up and operated by no more than two persons. All contacts must be made using an output power of 5 Watts or less and the power source must be something other than commercial mains or motor-driven generator. Other provisions are the same for Class A except it is not eligible for a GOTA or free VHF station. One and two person Class B - Battery entries will be listed separately.
- 4.5. (Class C) Mobile:** Stations in vehicles capable of operating while in motion and normally operated in this manner. This includes maritime and aeronautical mobile. If the Class C station is being powered from a car battery or alternator, it qualifies for emergency power but does not qualify for the multiplier of 5, as the alternator/battery system constitutes a motor-driven generating system.
- 4.6. (Class D) Home stations:** Stations operating from permanent or licensed station locations using commercial power. Class D stations may only count contacts made with Class A, B, C, E and F Field Day stations.
- 4.7. (Class E) Home stations - Emergency power:** Same as Class D, but using emergency power for transmitters and receivers. Class E may work all Field Day stations.
- 4.8. (Class F) Emergency Operations Centers (EOC):** An amateur radio station at an established EOC activated by a club or non-club group. Class F operation must take place at an established EOC site. Stations may utilize equipment and antennas temporarily or permanently installed at the EOC for the event. Entries will be reported according to number of transmitters in simultaneous operation. Class F stations are eligible for a free VHF station. At Class 2F they are also eligible for a GOTA station.
 - 4.8.1. For Field Day purposes, an Emergency Operations Center (EOC) is defined as a facility established by: a) a Federal, State, County, City or other Civil Government, agency or administrative entity; or, b) a Chapter of a national or international served agency (such as American Red Cross or Salvation Army) with which your local group has an established operating arrangement;
 - 4.8.1.1. A private company EOC does not qualify for Class F status unless approved by the ARRL Field Day Manager.
 - 4.8.2. Planning of a Class F operation must take place in conjunction and cooperation with the staff of the EOC being activated.
 - 4.8.3. Other provisions not covered are the same as Class A.
 - 4.8.4. A Class F station may claim the emergency power bonus if emergency power is available at the EOC site.
 - 4.8.4.1. The emergency power source must be tested during the Field Day period but you are not required to run the Class F operation under emergency power.

- 5. Exchange:** Stations in ARRL / RAC sections will exchange their Field Day operating Class and ARRL / RAC section. Example: a three transmitter Class A station in Connecticut which also has a GOTA station and the extra VHF station

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would send "3A CT" on CW or Digital, or "3 Alpha Connecticut" on Phone. DX stations send operating class and the term DX (i.e. 2A DX).

6. Miscellaneous Rules:

- 6.1. A person may not contact for QSO credit any station from which they also participate.
- 6.2. A transmitter/receiver/transceiver used to contact one or more Field Day stations may not subsequently be used under any other callsign to participate in Field Day. Family stations are exempt provided the subsequent callsign used is issued to and used by a different family member.
- 6.3. Phone, CW and Digital (non-CW) modes on a band are considered as separate bands. A station may be worked only once per band under this rule.
- 6.4. All voice contacts are equivalent.
- 6.5. All non-CW digital contacts are equivalent.
- 6.6. Cross-band contacts are not permitted (Satellite QSOs cross-band contacts are exempted).
- 6.7. The use of more than one transmitter at the same time on a single band-mode is prohibited. Exception: a dedicated GOTA station may operate as prescribed in Rule 4.1.
- 6.8. No repeater contacts are allowed.
- 6.9. Batteries may be charged while in use. Except for Class D stations, the batteries must be charged from a power source other than commercial power mains. To claim the power multiplier of five, the batteries must be charged from something other than a motor driven generator or commercial mains.
- 6.10. All stations for a single entry must be operated under one callsign, except when a dedicated GOTA station is operated as provided under Field Day Rule 4.1.1. it uses a single, separate callsign.

7. Scoring: Scores are based on the total number of QSO points times the power multiplier corresponding to the highest power level under which any contact was made during the Field Day period plus the bonus points.

7.1. QSO Points:

- 7.1.1. Phone contacts count one point each.
- 7.1.2. CW contacts count two points each.
- 7.1.3. Digital contacts count two points each.

7.2. Power multipliers: The power multiplier that applies is determined by the highest power output of any of the transmitters used during the Field Day operation.

7.3. Bonus Points: All stations are eligible for certain bonus points, depending on their entry class. The following bonus points will be added to the score, after the multiplier is applied, to determine the final Field Day score. Bonus points will be applied only when the claim is made on the summary sheet and any proof required accompanies the entry or is received via email or normal mail delivery.

7.3.1. 100% Emergency Power: 100 points per transmitter classification if all contacts are made only using an emergency power source up to a total of 20 transmitters (maximum 2,000 points.) GOTA station and free VHF Station for Class A and F entries do not qualify for bonus point credit and should not be included in the club's transmitter total. All transmitting equipment at the site must operate from a power source completely independent of the commercial power mains to qualify. (Example: a club operating 3 transmitters plus a GOTA station and using 100% emergency power receives 300 bonus points.) Available to Classes A, B, C, E, and F.

7.3.2. Media Publicity: 100 bonus points may be earned for attempting to obtain publicity from the local media. A copy of the press release, or a copy of the actual media publicity received (newspaper article, etc.) must be submitted to claim the points. Available to all Classes.

7.3.3. Public Location: 100 bonus points for physically locating the Field Day operation in a public place (i.e. shopping center, park, school campus, etc). The intent is for amateur radio to be on display to the public. Available to Classes A, B and F.

7.3.4. Public Information Table: 100 bonus points for a Public Information Table at the Field Day site. The purpose is to make appropriate handouts and information available to the visiting public at the site. A copy of a visitor's log, copies of club handouts or photos is sufficient evidence for claiming this bonus. Available to Classes A, B and F.

7.3.5. Message Origination to Section Manager: 100 bonus points for origination of a formal message to the ARRL Section Manager or Section Emergency Coordinator by your group from its site. You should include the club name, number of participants, Field Day location, and number of ARES operators involved with your station. The message must be transmitted during the Field Day period and a copy of it must be included in your submission in standard ARRL radiogram or no credit will be given. The message must leave or enter the Field Day operation via amateur radio RF. The Section Manager message is separate from the messages handled in Rule 7.3.6. and may not be claimed for bonus points under that rule. Available to all Classes.

- 7.3.6. Message Handling:** 10 points for each formal message originated, relayed or received and delivered during the Field Day period, up to a maximum of 100 points (ten messages). Copies of each message must be included with the Field Day report. The message to the ARRL SM or SEC under Rule 7.3.5. does not count towards the total of 10 for this bonus. Available to all Classes. All messages claimed for bonus points must leave or enter the Field Day operation via amateur radio RF.
- 7.3.7. Satellite QSO:** 100 bonus points for successfully completing at least one QSO via an amateur radio satellite during the Field Day period. "General Rules for All ARRL Contests" (Rule 3.7.2.), (the no-repeater QSO stipulation) is waived for satellite QSOs. Groups are allowed one dedicated satellite transmitter station without increasing their entry category. Satellite QSOs also count for regular QSO credit. Show them listed separately on the summary sheet as a separate "band." You do not receive an additional bonus for contacting different satellites, though the additional QSOs may be counted for QSO credit unless prohibited under Rule 7.3.7.1. The QSO must be between two Earth stations through a satellite. Available to Classes A, B, and F.
- 7.3.7.1 Stations are limited to one (1) completed QSO on any single channel FM satellite.
- 7.3.8. Alternate Power:** 100 bonus points for Field Day groups making a minimum of five QSOs without using power from commercial mains or petroleum driven generator. This means an "alternate" energy source of power, such as solar, wind, methane or water. This includes batteries charged by natural means (not dry cells). The natural power transmitter counts as an additional transmitter. If you do not wish to increase your operating category, you should take one of your other transmitters off the air while the natural power transmitter is in operation. A separate list of natural power QSOs should be submitted with your entry. Available to Classes A, B, E, and F.
- 7.3.9. W1AW Bulletin:** 100 bonus points for copying the special Field Day bulletin transmitted by W1AW (or K6KPH) during its operating schedule during the Field Day weekend (listed in this rules announcement). An accurate copy of the message is required to be included in your Field Day submission. (Note: The Field Day bulletin must be copied via amateur radio. It will not be included in Internet bulletins sent out from Headquarters and will not be posted to Internet BBS sites.) Available to all Classes.
- 7.3.10. Educational activity bonus:** One (1) 100-point bonus may be claimed if your Field Day operation includes a specific educational-related activity. The activity can be diverse and must be related to amateur radio. It must be some type of formal activity. It can be repeated during the Field Day period but only one bonus is earned. For more information consult the FAQ in the complete Field Day packet. Available to Classes A & F entries and available clubs or groups operating from a club station in class D and E with 3 or more participants.
- 7.3.11. Site Visitation by an elected governmental official:** One (1) 100-point bonus may be claimed if your Field Day site is visited by an elected government official as the result of an invitation issued by your group. Available to all Classes.
- 7.3.12. Site Visitation by a representative of an agency:** One (1) 100-point bonus may be claimed if your Field Day site is visited by a representative of an agency served by ARES in your local community (American Red Cross, Salvation Army, local Emergency Management, law enforcement, etc.) as the result of an invitation issued by your group. ARRL officials (SM, SEC, DEC, EC, etc) do not qualify for this bonus. Available to all Classes.
- 7.3.13. GOTA Bonus.** Class A and F stations operating a GOTA station may earn the following bonus points:
- 7.3.13.1. When a GOTA operator successfully completes 20 QSOs, they receive 20 bonus points. Upon reaching an additional 20 QSOs the same operator receives a second 20 bonus points, up to a maximum of 100 Bonus points per GOTA operator. An operator may make more than 100 QSOs but the QSOs over 100 do not qualify for an additional bonus.
- 7.3.13.1.1. Additional GOTA operators may earn the GOTA bonus points under this rule, up to the maximum of 500 bonus points. (Remember that there is a 500-QSO limit for the GOTA station. But no single GOTA operator may earn more than 100 of the GOTA bonus points except as provided in 7.3.13.2.)
- 7.3.13.1.2. A single GOTA operator must complete all 20 QSOs required before the bonus is earned. There is no "partial credit" for making only a portion of the 20 QSOs or "pooling" QSOs between operators.
- 7.3.13.2. If a GOTA station is supervised full-time by a GOTA Coach, the bonus points earned for each 20 QSOs completed under Rule 7.3.13.1. will be doubled.
- 7.3.13.2.1. The GOTA Coach supervises the operator of the station, doing such things as answering questions and talking them through contacts, but may not make QSOs or perform logging functions.
- 7.3.13.2.2. To qualify for this bonus, there must be a designated GOTA Coach present and supervising the GOTA station at all times it is being operated.
- 7.3.14. Web submission:** A 50-point bonus may be claimed by a group submitting their Field Day entry via the field-day.arrl.org web site. Available to all Classes.
- 7.3.15. Field Day Youth Participation:**
- 7.3.15.1. A 20-point bonus (maximum of 100) may be earned by any Class A, C, D, E, or F group for each participant age 18 or younger at your Field Day operation that completes at least one QSO.

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7.3.15.2. For a 1-person Class B station, a 20-point bonus is earned if the operator is age 18 or younger. For a 2-person Class B station, a 20-point bonus is earned for each operator age 18 or younger (maximum of 40 points.) Keep in mind that Class B is only a 1 or 2 person operation. This bonus does not allow the total number of participants in Class B to exceed 1 or 2.

7.3.16 Social Media: 100 points for promoting your Field Day activation to the general public via an active, recognized and utilized social media platform (Facebook, Twitter, Instagram, etc). This bonus is available to bona fide Amateur Radio clubs and Field Day groups that welcome visitors to their operation. Individual participants do not qualify for this bonus. Club websites do not qualify for this bonus. Available to all classes.

7.3.17 Safety Officer Bonus: A 100-point bonus may be earned by having a person serving as a Safety Officer for those groups setting up Class A stations. This person must verify that all safety concerns on the Safety Check List (found in the ARRL Field Day Packet) have been adequately met. This is an active bonus – simply designating someone as Safety Officer does not automatically earn this bonus. A statement verifying the completion of the Safety Check List must be included in the supporting documentation sent to ARRL HQ in order to claim this bonus.

8. Reporting:

8.1. Entries may be submitted to the ARRL in one of two ways:

8.1.1. Via Field Day Web App at field-day.arrl.org ;

8.1.2. Via email with required attachments to fieldday@arrl.org ; or

8.1.3. Via land postal or delivery service to:

**Field Day Entries,
225 Main St, Newington, CT 06111.**

8.2. Entries must be postmarked, emailed or submitted by Tuesday July 23, 2019. Late entries cannot be accepted.

8.3. A complete Field Day Web Applet Submission site entry consists of:

8.3.1. An official ARRL summary sheet which is completed on the site;

8.3.2. Supporting information must be emailed to fieldday@arrl.org or submitted by mail service. Supporting information must include:

8.3.2.1. An attached list of stations worked by band/mode during the Field Day period (dupe sheet or an alpha/numeric list sorted by band and mode); and

8.3.2.2. Proof of all bonus points claimed (copies of visitor logs, press releases, NTS messages handled, photographs, etc).

8.4. A complete non-web-app email submission consists of:

8.4.1. An electronic copy of an ARRL summary sheet completely and accurately filled out;

8.4.2. An attached list of stations worked by band/mode during the Field Day period (dupe sheet or an alpha/numeric list sorted by band and mode); and

8.4.3. Proofs of bonus points claimed (copies of visitor logs, press releases, NTS messages handled, photographs, etc).

8.5. A complete land/postal-mail or delivery non-electronic submission consists of:

8.5.1. A complete and accurate ARRL summary sheet;

8.5.2. An accompanying list of stations worked by band/mode during the Field Day period (dupe sheet or an alpha/numeric list sorted by band and mode); and 8.5.3. Proofs of bonus points claimed (copies of visitor logs, press releases, NTS messages handled, photographs, etc).

8.6. Complete station logs are NOT required for submission. The club should maintain log files for one year in case they are requested by ARRL HQ.

8.7. Cabrillo format log files are NOT required for Field Day entries. They will be accepted in lieu of the dupe sheets but do not constitute an entry unless a corresponding summary sheet is also submitted.

8.8. Digital images of proof of bonus points are acceptable.

8.9. Electronic submissions are considered signed when submitted.

9. Miscellaneous:

9.1. The schedule of bulletin times for W1AW is included in this announcement. While W1AW does not have regular bulletins on weekends, the Field Day message will be sent according to the schedule included with this announcement. The W1AW bulletins will be transmitted on the regular W1AW frequencies listed in QST. The PSK31 bulletin will be transmitted on the W1AW teleprinter frequencies. The special Field Day bulletin will be transmitted from station K6KPH on the West Coast as included in the bulletin schedule.

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9.2. See "General Rules for All ARRL Contests," "General Rules for All ARRL Contests on Bands Below 30 MHz," and "General Rules for All ARRL Contests on Bands Above 50 MHz" for additional rules (www.arrl.org/contest-rules) that may cover situations not covered in these Field Day rules. Decisions of the ARRL Awards Committee are final in adjudicating Field Day problems.

9.3. The complete Field Day information package may be obtained by:

9.3.1. Sending a SASE with 5 units of postage to:

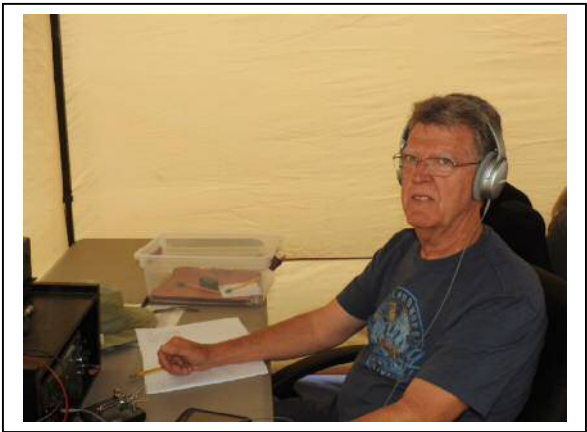
**Field Day Information Package, ARRL,
225 Main St., Newington, CT 06111;**

or

9.3.2. By downloading from the Contest Branch home page at: www.arrl.org/field-day

9.4. For more Field Day information/questions contact: fdinfo@arrl.org or phone (860) 594-0232.

Revised 2/2019



VCARC / K6MEP 2019 Field Day Site at Oxnard College

Rose & Bard

34° 9'45.88"N

119° 9'30.97"W

Grid Square DM04kd

