



The Ventura County Amateur Radio Club, K6MEP, will hold its February club meeting at 7:30 PM on Friday, February 14th, 2020, at The Dudley House 197 N. Ashwood Ave Ventura CA 93003 at the corner of Loma Vista and Ashwood 34d16m13.67s N 119d 14m 43.24s W. Grid square DM04jg (see map pg. 19) Board Meeting precedes the General Meeting. Ben K6QV will be demoing the new version 6 uBitx along with a small magloop. He hopes to make it interesting. Perhaps he'll make a few digital contacts to demonstrate.



President	Denney Pistole	N6HV
Vice-President	Clem Alberts	KM6OKZ
Secretary	Phil Cohen	WA6BUZ
Treasurer	John Gartman	W6JPG
Board Member	Stewart Stone	KG6BOV
Board Member	Robert Shank	KM6RSS
Board Member	Richard Abbey	WB6AEW
Photographer	Denney Pistole	N6HV
Facilities Mgr.	Richard Abbey	WB6AEW
Keyer Editor	Robert Shank	KM6RSS
PR chairman	Open	
Programs Chair	Open	
Webmaster	Robert Shank	KM6RSS
Domain Mgr.	Phil Cohen	WA6BUZ
New Members	Bob Brodie	KJ6AAE
License Trustee	Stewart Stone	KG6BOV
QSL Manager	Ben Holmes	K6QV
Safety Officer	Bob Brodie	KJ6AAE

The Inside Story	
Message from the President	2
Secretary's Column/Meeting Minutes	3-4
Contests & Special Events	5-6
Available Gear	7
Upcoming FCC Exam Session Preparation	8
Upcoming FCC Exam Prep and Sample Test Sites	9
Upcoming FCC Exam Sessions, Trivia & Calendar	9
Net Script	10
Upcoming Ham Fests and Conventions	11-12
Emergency & Volunteer Training Classes	13-14
ARES & Frequency Information	15
ARRL Public Service Classes	16
Area Nets	17
News from PVARC	18
Meeting Local Maps	19
K6MEP Membership Application	20
ARRL News	21-26

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

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

Message from the President

The Prez Sez,

I would like to welcome anyone interested in amateur radio to the next meeting of the Ventura Amateur Radio Club on February 14th.

At the next meeting Ben K6QV will be giving a presentation on the uBitx radio, a magnetic antenna, and accessories. Come see a small radio in action.

The days are getting longer and the weather is getting warmer. If you have done any spring cleaning in your shack or have put up a new or improved antenna take a picture of it and submit it to the newsletter.

To all attendees of the meeting, please don't forget to sign the check-in sheet. At least put your first name and call sign on the sheet.

The club needs volunteers. It would greatly help if someone would step forwards to take care of the coffee pot and put it away after the meeting. There may be free coffee involved.

I have started to think about Field Day. This year it will be held on June 27 and 28. After the humbling experience during the ARRL January VHF contest where I took a load of equipment out into the field and it didn't work. (It did work on the bench). I cannot stress the importance of doing a dry run before a contest or Field Day. It a real emergency you may not or will not have the chance to run back home to get the missing adapter or piece of coax. Having to run home every half hour to get something takes a lot of the fun out of Field Day. In a real disaster, a small missing piece could be life threatening.

Also if someone would step forward to be the chairman of the Field Day group, that would be a great help. I am getting ready to submit the request for the use of the area we used last year for Field Day. Everyone is welcome to make suggestions on how to make the next Field Day an more enjoyable experience.

Speaking of volunteers, we could use someone to be the chairman of the Field Day Get-On-The-Air (GOTA) station. The chairman would not have to man the GOTA station all weekend, but it would help if the chairman drew up a list of operators with the times they could support the GOTA station. I feel that the GOTA station would only be on the air during daylight hours. The club has an HF radio that can be used in the GOTA station. Coax can be found, but someone needs to coordinate getting the equipment and antenna together and checking them out.

73s Denney N6HV

Secretary's Column and Meeting Minutes

Ventura County Amateur Radio Club Inc. Club Meeting

Meeting Date: 1/10/20

GENERAL MEMBERSHIP MEETING MINUTES

MEETING ADDRESS: Dudley Historical House, Ventura

ATTENDANCE: Listed on Roll Check-In Sheet; 23 total with 4 guests

BREAK to **20:57** to set up equipment for presentation

President Denney introduced Marty N6VI

Marty presented Field Day - Strategies, Tactics & Techniques

President Denney thanked Marty for his talk

MEETING MINUTES

CALL TO ORDER **21:07**

President Denney led the Pledge of Allegiance

President Denney made introductions and welcomed current, new and prospective members.

Old Business:

None

Calendar

January 2020

6: K6MEP Monday Night Net and ACS/ARES District Meeting, Camarillo Police Station

7: ACS/ARES Tuesday Night Net

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

13: K6MEP Monday Night Net

14: ACS/ARES Tuesday Night Net

20: K6MEP Monday Night Net

21: ACS/ARES Tuesday Night Net

27: K6MEP Monday Night Net

28: ACS/ARES Tuesday Night Net

New Business:

Coffee Maker purchase (\$150) voted for and approved by membership along with giving two See's gift certificates to Marty.

Monday night net contest approved; first place \$100, second place \$50, third place \$25, to begin Monday January 13th with general membership vote.

Activity groups: Field Day; Stewart will assist, Denney and others will determine who will be chairperson. Group will meet on Thursday nights on WD6EBY repeater. Need a coffee chair, fundraiser chair, club project chair.

Denney asked for volunteers for various special interest groups; Monday Night Net Script and Net Control as well as a mentor

Meeting adjourned **21:19**

Next meeting is February 14th and speaker/topic is TBA.

EXECUTIVE BOARD MEETING MINUTES

MEETING ADDRESS: Dudley Historical House, Ventura

OFFICER ATTENDEES

(cont on page 4)

Secretary's Column and Meeting Minutes (cont. from page 3)

OFFICE	LAST	FIRST	CALL SIGN	PRESENT
PRESIDENT	PISTOLE	DENNEY	N6HV	X
VICE PRESIDENT	ALBERTS	CLEM	KM6OKZ	X
TREASURER	GARTMAN	JOHN	W6JPG	X
SECRETARY	COHEN	PHIL	WA6BUZ	X
BOARD	SHANK	ROBERT	KM6RSS	X
BOARD	STONE	STEWART	KG6BOV	X
BOARD	ABBEY	RICHARD	WB6AEW	X

CALL TO ORDER 19:03

MEETING MINUTES

Secretary's report:

Minutes approved by board

Membership renewals were received in the PO Box.

Treasurers' report

Treasurer John provided the savings, checking and petty cash balances

Old Business:

Anything in the mail? Membership applications and renewals.

New Business:

Monday Night Net contest discussed, approved by board vote; first place \$100, second place \$50, third place \$25, to begin Monday January 13th with general membership vote.

Monday Night Net Script changes by Denney approved.

Denney and Clem discussed reaching out to local schools and colleges to obtain educational credit for an amateur radio license.

Field Day special interest group (SIG). Vertical antennas, FT-8 and FT-4 try out?

Club to buy a hot water pot for coffee, tea and hot chocolate; pass to membership to approve.

SIG for fund raisers.

SIG for Club projects

SIG for mentoring people to obtain their amateur radio license.

Give tonight's speaker the Sees candy Second and approved.

BOARD ADJOURN 19:48

Board meeting adjourned and there was a brief break until the 19:48 start of the presentation



Selected February 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.

School Club Roundup



About School Club Roundup

Spring Term: February 10-14, 2020

Objective: To exchange QSO information with club stations that are part of an elementary, middle, high school or college. Non-school clubs and individuals are encouraged to participate. Sponsored by the ARRL, its Hudson Division Education Task Force and the Long Island Mobile Amateur Radio Club (LIMARC) to foster contacts with and among school radio clubs. Award certificates will be issued for the following US and DX categories:

Schools: Elementary, Middle/Intermediate/Junior High School, High School and College/University

Non-school Clubs

Individuals

Web Submission of Scores and Logs: Click [here](#) for the SCR score entry website. Scores and logs for any School Club Roundup may be entered from the time the contest begins through the log submission deadline published below. A logs-received page is also maintained and provisional scores will be published immediately following the log submission deadline. Thanks to WA7BNM for creating this new score reporting and publishing web site.

Multipliers: Note that a station can *only* count for a single multiplier as described in Rule 5 below. i.e. a contact may count for a "School" or a "Club" but not both. A "school club" counts as a "school" only. Contacts submitted claiming both multipliers will be scored according to the log submitted by the station contacted.

Post Photos and Stories: One of the best parts of School Club Roundup is showing off your team members and station. Other participants will enjoy hearing about how you did and reading the story of your contest. You can upload photos and text via the [ARRL Soapbox](#) web page.

Stay updated on SCR. Send an email to: SCR-L-subscribe@yahoogroups.com (cont. page 6)

Selected February Contests & Special Events (cont. from pg. 5)

15-16 International DX – CW
About

Objective: To encourage W/VE stations to expand knowledge of DX propagation on the HF and MF bands, improve operating skills, and improve station capability by creating a competition in which DX stations may only contact W/VE stations.

W/VE amateurs: Work as many DX stations in as many DXCC entities as possible on the 160, 80, 40, 20, 15, and 10 meter bands.

DX stations: Work as many W/VE stations in as many of the 48 contiguous states and provinces as possible.

Online Log Submission - **logs must be uploaded via an online web service at contest-log-submission.arrl.org.**

02/08/2020 | USS Midway Museum Ship Special Event; Mt Surabachi Flag Raising

Feb 8, 1700Z-2359Z, NI6IW, San Diego, CA. USS Midway (CV-41) Museum Ship. 14.320 7.250 PSK31 14.070 DSTAR REF001C. QSL. USS Midway Museum Ship COMEDTRA, 910 N Harbor Drive, San Diego, CA 92101.

02/22/2020 | Titan Missile Museum

Feb 22, 1600Z-2100Z, K7T, Tucson, AZ. Oro Valley Amateur Radio Club. 7.040 CW 14.040 CW 14.250 USB 18.100 FT-8. Certificate. Email qsl@TucsonHamRadio.org, No paper QSL's please.. www.TucsonHamRadio.org

02/26/2020 | Snowbird Field Day

Feb 26, 1500Z-2100Z, W7ASL, Mesa, AZ. Sunlife ARC. 14.230 7.200. QSL. Tom Goforth, 4324 E Dragoon Cir, Mesa, AZ 85206. Please see the website for the most up to date information. <https://www.sunlifearc.org/index.php/events/2-uncategorised/28-snowbird-field-day>



From our DecemberFest Dinner Party

Available Gear

Yaesu FT-8 and accessories for sale

Please contact Ron K16YAX
vccert1@gmail.com



From the WT6JS Donation

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

Please contact Stewart KG6BOV
Kg6bov@arrl.net

Looking for Antenna Instructions and manuals

Looking for antenna instruction and manuals for pre-1995 VHF and UHF antennas. Hy-gain, Cushcraft, KLM are the big manufacturers, but there were dozen of little ones (K1FO, K2RIW, Tronna). Would like to start a repository of antenna manuals.

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

Denney N6HV /

denney@denneypistole.com

Equipment Tech and Operator Manuals

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

Stewart
KG6BOV@arrl.net



From our DecemberFest Dinner Party

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



From our DecemberFest Dinner Party

License Preparation and Sample Test Sites

Thousand Oaks CA 91360-6861

EXAM SESSION

02/09/2020

Sponsor: Conejo Valley ARC

Date: Feb 09 2020

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

Contact: Jeffrey M. Reinhardt

(818) 706-3853

Email: jmreinhardt@sbcglobal.net

VEC: [ARRL/VEC](#)

Location: Ventura Cty Sheriff's E County Station

2101 E Olsen Rd

Between 23 Hwy & Reagan Library

Community Room

Thousand Oaks CA 91360-6861

Trivia for February 2020

Did you know?

1. The circular saw was invented in 1813 by Tabitha Babbitt?
2. Margaret Knight created the modern day paper shopping bag in 1868?
3. Mary Anderson invented the first manual windshield wiper in 1903. Another woman, Charlotte Bridgwood created the automatic version in 1917.



Happy
Valentine's
Day

Dana
KG6WXE

K6MEP Calendar

February 2020

3: K6MEP Monday Night Net

4: ACS/ARES ORT Tuesday Night Net

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

10: K6MEP Monday Night Net

11: ACS/ARES Tuesday Night Net

17: K6MEP Monday Night Net

18: ACS/ARES Tuesday Night Net

24: K6MEP Monday Night Net

25: ACS/ARES Tuesday Night Net



L-R Pam, Dana KG6WXE and Richard WB6AEW

K6MEP Monday night Net Script

QST- QST- QST. This is _____ (Name) _____ (Call Sign), with the Ventura County Amateur Radio Club Net. If there is 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) _____ (Call Sign), 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 net, open to all amateur radio operators and is 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. repeater on 146.385 MHz with a positive offset and a PL of 127.3 Hz as backup.

All amateurs are welcome to check in after the following announcements.

A roundtable will follow the check-ins. 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. The next meeting date is Friday _____ (insert date). We urge any non-members interested in the VCARC to contact the club Secretary, Phil Cohen WA6BUZ or send an email to him at K6MEP@qsl.net. Non-members interested in amateur radio are welcome to attend our meetings.

When you check-in, please give your call sign, name and if you are a VCARC member. If you are not a member of the club, please include your QTH or location.

(Check-ins completed): Hearing no other check-ins, we will now begin with our Roundtable

Any last comments? ***** Any late, missed, or visitor check-ins?
Please check-in now.

Hearing no new check-ins does anyone have anything else they would like to add to tonight's net?

Hearing none;

(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 _____ call sign), tonight's VCARC net control, signing off.

Upcoming Hamfests and Conventions

Yuma Hamfest, ARRL 2020 Southwestern Division Convention

HAMFEST/CONVENTION

02/14/2020

Start Date: 02/14/2020

End Date: 02/15/2020

Location: Yuma County Fairgrounds

2520 E. 32nd Street

Yuma, AZ 85364

Website: <http://www.yumahamfest.org>

Sponsor: Yuma Amateur Radio Hamfest Organization

Type: ARRL Convention

Talk-In: 146.840 - (PL 88.5)

Public Contact: Jeff Weeks , W7JLW

YARHO P.O. Box 1843 Yuma, AZ 85366

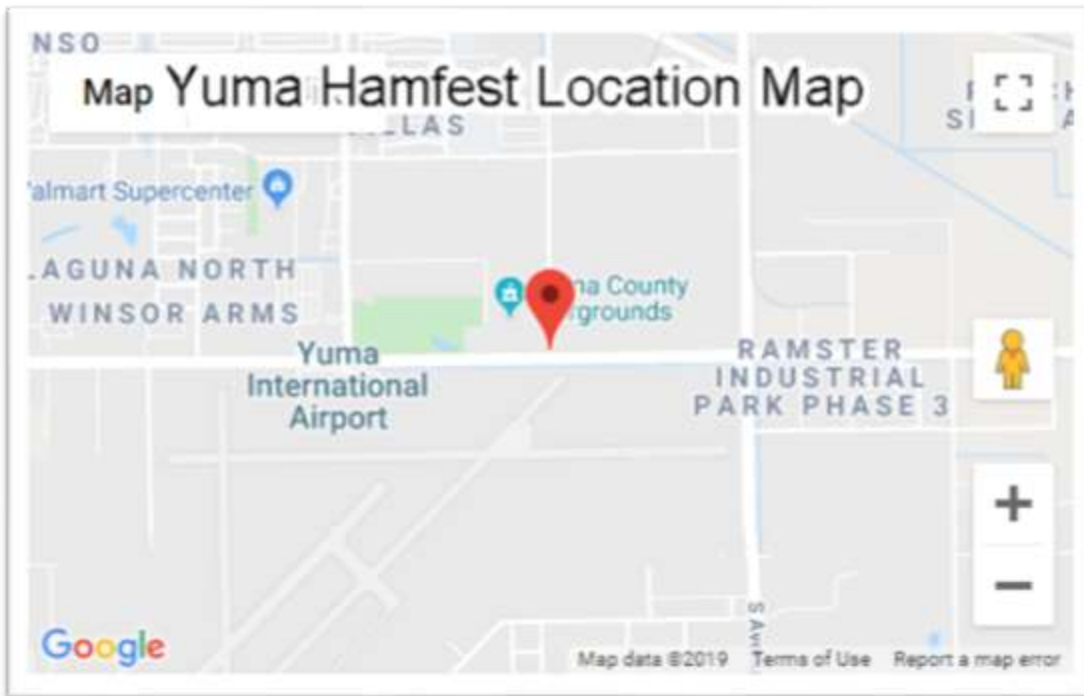
Phone: 928-941-0131

Email: info@yumahamfest.org

cont. on page 11)



Yuma Hamfest (cont. from page 10)



Katie and VP Clem Alberts KM6OKZ

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



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 6 Ventura City – WA6ZSN 146.385 Mhz (+) PL 127.3
Area 2 Conejo Valley, T. Oaks, Newbury Park – N6JMI 147.885 Mhz (-) PL 127.3 BOZO	Area 7 Santa Paula, Fillmore, Piru – WA6ZSN 146.385 Mhz (+) PL 127.3
Area 3 Camarillo, Somis – K6ERN 147.915 Mhz (-) PL 127.3	Area 8 Moorpark, Santa Rosa Valley – K6ERN 145.460 Mhz (-) PL 127.3
Area 4 Oxnard, Port Hueneme, NBVC – WB6YQN 146.970 Mhz (-) PL 127.3	County-Wide – WD6EBY 145.200 (-) PL 127.3
Area 5 Ojai Valley – N6FL 145.400 Mhz (-) PL 114.8	ACS Portable – VCACS/p 144.930/147.585 Mhz PL 127.3

Other Good Area Frequencies ...

AA6DP 147.090 Mhz (+) No PL Catalina	N6EVC 146.850 Mhz (-) PL 94.8 Rasnow
K0AKS 147.150 Mhz(-) PL 127.3 TOaks	N6FDR 145.260 Mhz (-) PL 100.0 Malibu
K6CPT DCS 145.300 Mhz (-) PL 100.0 LA DCS	W6AAX 147.180 Mhz (+) PL 186.2 Verdugo Peak
K6CPT DCS 147.270 Mhz (-) PL 100.0 LA DCS	W6GRG 146.940 Mhz (-) PL 127.3 Simi DSW Repeater
K6DCS DCS22 147.225 Mhz (+) PL 94.8 LA DCS	W6YJO 145.180 Mhz (-) PL 131.8 Sta Ynez
K6ERN 146.880 Mhz (-) PL 127.3 SMRA Red Mt.	WA6FGK 146.640 Mhz (-) PL 127.3 Simi Valley
K6ERN 147.765 Mhz (-) PL 127.3 Olivas Park / SMRA	WA6PPS 147.300 Mhz (-) PL 110.9 L.A. City ACS
K6TZ 146.790 Mhz (-) PL 131.8 SBARC	WB6OBB 147.000 Mhz (+) PL 131.8 Sta Barbara
KB6C 147.735 Mhz (-) PL 100.0 Oat Mt / MMRA	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 6 Ventura City – 147.510Mhz (S)
Area 2 Conejo Valley, T.O., Newbury Pk – 146.445 Mhz (S)	Area 7 Santa Paula, Fillmore, Piru – 145.540 Mhz (S)
Area 3 Camarillo, Somis – 146.550Mhz (S)	Area 8 Moorpark – 146.535Mhz (S)
Area 4 Oxnard, Port Hueneme, NBVC – 146.595Mhz (S)	County ARES Simplex – 145.615 Mhz (S)
Area 5 Ojai Valley – 145.555Mhz (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: Hovan Salibian, K6BQL Email: ki6bql@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.

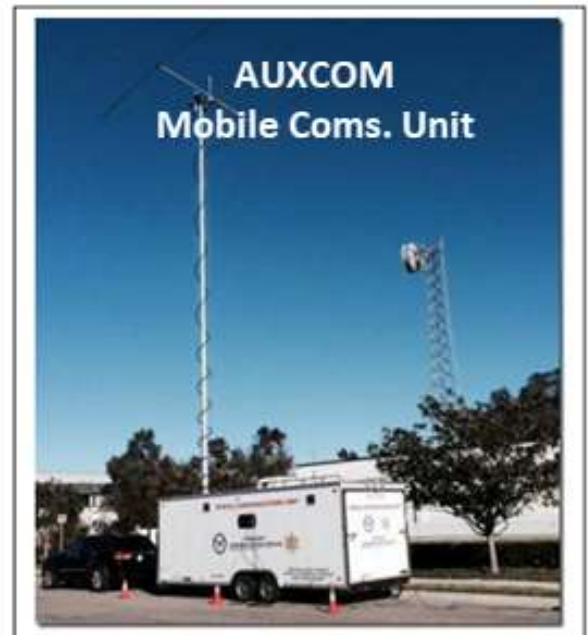
PR-101: ARRL Public Relations (EC-015)

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

News from PVARC



Network News

The most critical issue facing our local network is the threat to the 3 and 5 GHz ham radio bands. If you haven't already submitted your comments on these two pending FCC actions, please do so! Comments can be submitted here:

<https://www.fcc.gov/ecfs/filings>

The 3 GHz action is WT Docket 19-348 and the 5 GHz is WT Docket 19-138.

The last day to submit comments is February 21st, so please don't

delay!

Many know it, but maybe some don't - the AREDN networking software is based on OpenWrt, an open source software for (among other things) home wireless routers. OpenWrt recently released version 19.07, one of their biannual releases. It incorporates all sorts of improvements and fixes.

An AREDN nightly build based on that should be available very soon (if not already by The Keyer publish date). Some testing has been done using AREDN software based on a pre-release version of OpenWrt 19.07 and for those models it worked on at the time (most, but not all), it worked very well. One pleasant surprise - it takes LESS RAM than the previous version, rather than more as we had feared.

If you're interested in getting started with ham radio networking, or are up and running but would like to add network capabilities to your go box, this upcoming event is just for you!

<http://www.cvarc.org/2020/01/14/mesh-network-live-demo-flashmob/>

73,

Orv W6BI



Meeting Location Maps



ARRL News (all photos and icons from ARRL.org or other specified sources)

ARRL to Argue for Continued Access to 3-GHz Spectrum as FCC Sets Comment Deadlines



At its January meeting, the ARRL Board of Directors instructed the League's FCC counsel to prepare a strong response to protect amateur access to spectrum in the 3 GHz range. In its *Notice of Proposed Rulemaking (NPRM)* in WT Docket 19-348, the FCC proposed to relocate all non-federal operations, including amateur uses, to spectrum outside the 3.3 – 3.55 GHz band. The Commission anticipates auctioning this spectrum to expand

commercial use of 5G cellular and wireless broadband services, if agreement can be reached on relocation of — or sharing with — the federal incumbents that operate in the same band. **Publication** of the *NPRM* in the *Federal Register* on January 22 established deadlines of February 21 for comments and March 23 for reply comments.

The FCC has requested comment on the uses radio amateurs make of the spectrum and appropriate relocation options. Complicating matters is the fact that radio amateurs must consider the possibility that the immediately adjacent 3.1 – 3.3 GHz band is included in the spectrum that Congress has identified for similar study. FCC Commissioner Michael O'Rielly, in a December statement, referenced the fact that the lower band may also be considered for non-federal reallocation, potentially limiting relocation possibilities.

Amateurs make substantial use of the 3.3 – 3.5 GHz band that would be hard to replicate elsewhere, and they have filed more than 150 comments before the designated comment period even began. Among users looking at options are those who use this spectrum for Earth-Moon-Earth (moonbounce) communication, mesh networks, experiments with communication over long distances, radiosport, and amateur television. A portion of the band also is designated for use by amateur satellites in ITU Regions 2 and 3 (the Americas and Asia/Pacific).

A report is due by March 23 from the National Telecommunications and Information Administration (NTIA) evaluating the feasibility of having federal users share all or part of the 3.1 – 3.55 GHz band with commercial wireless services. This report is required by the Making Opportunities for Broadband Investment and Limiting Excessive and Needless Obstacles to Wireless (MOBILE NOW) Act. The results of the NTIA report will impact how much spectrum ultimately may be re-allocated for auction to wireless providers.

ARRL urges amateurs who comment to inform the FCC about the uses they make of the 3 GHz spectrum. Short comments and longer statements may be filed electronically. Visit the FCC "**How to Comment on FCC Proceedings**" page for more information. Commenters should reference WT Docket 19-348.

(cont. on page 22)

ARRL News (cont. from page 21)



AMSAT Says its GOLF-TEE Initiative has Met a Major Milestone

AMSAT reports that an array of **GOLF-TEE** (Greater Orbit Larger Footprint – Technology Evaluation Environment) satellite prototype boards transmitted telemetry for the first time on January 14.

“The boards are laid out on a bench as a ‘flat-sat,’ with interconnecting wires, bench power supplies, and a dummy load on the transmitter,”

AMSAT said. The interconnected boards include an early radiation-tolerant internal housekeeping unit (IHU, i.e., computer) prototype; a control interface prototype, and a set of spare boards from HuskySat-1 that act as prototypes for the legacy IHU and legacy VHF/UHF RF components.

“Now that the development team has reached this point, it has RF to use as a basis for developing a GOLF-TEE decoder for *FoxTelem*, the ground telemetry receiver software,” AMSAT said.

“Thousands of hours of work by many AMSAT volunteers have gone into the hardware and software that got GOLF-TEE this far, with much work yet to be done before flight units are ready.”

GOLF-TEE is designed as a low-Earth orbit testbed for technologies necessary for successful CubeSat missions to a wide variety of orbits, including medium- and high-Earth orbits. AMSAT invited **donations** to further the project. It’s also seeking **additional volunteers**. — *Thanks to AMSAT News Service*



ITU Development Sector Publication Highlights Amateur Radio’s Role in Emergency Communication

Amateur radio is featured in the publication, *ITU Guidelines for national emergency telecommunication plans*, published by the International Telecommunication Union (ITU) Development Sector (ITU-D). The publication notes that radio amateurs have supported communication in emergency situations on a voluntary basis since the dawn of radio.

“They are experts in radio communications and have the equipment, skills and necessary frequencies allocated by ITU to deploy networks in emergency events quickly and efficiently,” the publication says. ITU-D said amateur radio

support offers “great coverage due to the large number of amateur radio stations available;” training programs and exercises have been developed for emergency communication; “qualified temporary volunteers who provide skills and experience essential for emergency telecommunications;” problem-solving skills and an ability to work with “often very limited resources,” and the ability to work with alternative power sources. Past ARRL President and IARU Secretary Rod Stafford, W6ROD, represents the International Amateur Radio Union at ITU-D meetings. — *Thanks to Southgate Amateur Radio News; IARU (cont. on page 23)*

ARRL News (cont. from page 22)

ARES Volunteers Establish “Plan B” Communication Network in Puerto Rico



Amateur Radio Emergency Service (ARES®) volunteers in Puerto Rico continued over the weekend to report for daily duty at an American Red Cross (ARC) distribution center in Mayagüez and at ARC Headquarters in San Juan. The two sites are at the ready to provide a “Plan B” communication backbone in the event the seismic situation worsens. A magnitude 6.4 earthquake struck southwestern Puerto Rico on January 7, fast on the heels of a magnitude 5.8 tremor the day before, damaging homes in Guayanilla, Peñuelas, Yauco, and Guánica.

ARRL Puerto Rico Section Manager Oscar Resto, KP4RF,

told ARRL this week that the situation is relatively “calm and quiet” for now and starting on January 22, volunteers would begin monitoring from their homes or vehicles, permitting most, including Resto himself, to get back to their jobs and homes.

ARES volunteers had been deployed to an ARC distribution center in Yauco, but that part of the operation was shifted to Mayagüez over the weekend, because it was considered safer there. An ARRL-provided VHF/UHF radio and antenna have been set up at the Mayagüez facility. Resto said a second operating position is being added at the San Juan ARC Headquarters site.

Resto said Red Cross officials know that they can rely on Amateur Radio, if the situation calls for it, but for now, commercial communications are fully operational, although aftershocks from the January 7 quake persist. “In case the situation escalates, the ARES team will immediately mobilize at the ARC sites and establish communication (VHF/UHF or HF) as required,” Resto said.

Last week, the Red Cross had requested assistance from the ARES volunteers as well as volunteers from the CB radio and GMRS communities, to identify undeclared refugee camps and to report on close or damaged roadways and bridges. Resto said the ARES volunteers “did a marvelous job” that earned praise from Red Cross officials.

Resto said about two dozen volunteers have made themselves available in the Mayagüez area. In the event they’re needed, Resto said, he has seven or eight HF radios and 15 VHF/UHF transceivers left over from the Hurricane Maria emergency response. He said the HF equipment has been safely stowed for use in case of another major earthquake, when they might be needed.

He was expecting additional antennas and feed lines provided through ARRL’s Ham Aid program to show up this week.

(cont. on page 24)

ARRL News (cont. from page 23)

ARISS Opens Window for ISS Ham Radio Contact Proposals on February 1



Amateur Radio on the International Space Station (**ARISS**) is once again seeking formal and informal education institutions and organizations — individually or working together — interested in hosting an amateur radio contact with an International Space Station (ISS) crew member. A window to accept proposals will open on February 1 for contacts that would be scheduled between January and June 2021. The majority of ARISS contacts involve schools and educational institutions. ARISS is looking for organizations able to attract a large number of participants that can integrate the contact opportunity into a well-developed education plan.

“ARISS contacts afford education audiences the opportunity to learn firsthand from astronauts what it is like to live and work in space and to learn about space research conducted on the ISS,” ARISS said in announcing the proposal period. “Students also will have an opportunity to learn about satellite communication, wireless technology, and radio science.”

Proposal information and documents are available on the ARISS website. Two identical ARISS introductory webinars have been set for January 23 at 9 PM EST (0200 UTC on January 24) and for January 27 at 1800 EST (2300 UTC). **Registration** is required.

Contacts with ISS crew members run approximately 10 minutes in length and allow students to interact with the astronauts through a question-and-answer session. ARISS contacts are voice-only amateur radio communication opportunities. Schools and organizations typically work with a local amateur radio club to assist in handling the technical aspects of carrying out a successful contact with the ISS.

ARISS stresses that because of the nature of human spaceflight and the complexity of scheduling activities aboard the ISS, schools and organizations must be flexible in accommodating changes in radio contact dates and times.

“Amateur radio organizations around the world with the support of NASA and space agencies in Russia, Canada, Japan, and Europe present educational organizations with this opportunity,” ARISS said. “The ham radio organizations’ volunteer efforts provide the equipment and operational support to enable communication between crew on the ISS and students around the world using amateur radio.”

Proposal information and more details are available on the **ARISS website**. **Contact** ARISS with any questions.

(Cont. on page 25)

ARRL News (cont. from page 24)

SAQ Alexanderson Alternator 2019 Christmas Eve Transmission Heard by More than 400 Listeners



The Alexanderson alternator 2019 Christmas Eve transmission on 17.2 kHz from SAQ in Grimeton, Sweden, was heard by more than 400 listeners. SAQ **reported** conditions were very good, with clear, dry weather, and the vintage transmitter functioned flawlessly. Lars Kålland, SM6NM, was at the key to deliver the Christmas message, his last as he is retiring. SAQ said it was stunned by the number of reports it received — a total of 426 from 32 countries, including the US and Canada



200 kW Alexanderson alternator preserved at the Grimeton radiotelegraphy station, Sweden, the only remaining example of an Alexanderson transmitter.

Photo from https://en.wikipedia.org/wiki/Alexanderson_alternator

(cont. on page 26)



ARRL News (cont. from page 25)

Foundation for Amateur Radio Invites 2020 – 2021 Academic Year Scholarship Applications



The Foundation for Amateur Radio Inc. (FAR) has invited **applications** for the 2020 – 2021 academic year for the scholarships it administers. Applications must be submitted via the online form. Several questions ask for essay responses. The deadline for initial submissions is April 30, 2020. Applicants may amend their applications until May 7. All applicants must hold a valid amateur radio license and be enrolled or accepted for enrollment at an accredited university, college, or technical school. Applicants attending school outside the US must provide a brochure describing the school. Students do not apply for specific scholarships; each application will be considered for all of the scholarships for which the applicant is qualified. **QCWA** scholarships and the Chichester Memorial Scholarship all require recommendations to be awarded. Data entered onto the application goes directly into an encrypted, password-protected PDF file available only to the review committee. No part of the application is stored online. **More information** is available on the FAR website.

More Information on Dayton Hamvention-Related Activities



Contest University (CTU) professors and the **course outline** for sessions that will be held in conjunction with **Dayton Hamvention® 2020** have been posted. The keynote speaker for the **Top Band Dinner** on Friday, May 16, will be Glenn Johnson, W0GJ, who will discuss the **VP6R DXpedition** to Pitcairn Island. The keynote speaker for the **Contest Dinner** on Saturday, May 17, is **Bryant Rascoll, KG5HVO**. CTU, the Top Band Dinner, and the Contest Dinner will take place at the Crowne Plaza Hotel in downtown Dayton.

These events are sponsored independently of Dayton Hamvention. — *Thanks to Tim Duffy, K3LR*

