

December 2017

The KEYER

K6MEP

Ventura County Amateur Radio Club

Year 81 Issue 12



Please Note:
CHRISTMAS IS CANCELLED

Apparently, YOU told Santa that you have been GOOD this year ...



He died laughing



The Ventura County Amateur Radio Club, K6MEP is having its annual DecemberFest Dinner Meeting on 8 December 2017 at Casa de Sortia in Ventura – 6:00 PM. 1961 E. Thompson, Ventura. See map on page 18. The Dinner Meeting reservations are for 6:00 PM for social and ordering at 6:30 to 7:00 PM.

The next Regular meeting will be 7:30 PM on Friday the 12th of January 2018 at the Ventura County Port Authority, 1603 Anchors Way, Ventura, CA 93001, 34°15'11" N, 119°16'01" W, grid DM04/G, (see map pg 17). Board Meeting precedes the General Meeting. January meeting will feature a presentation of the 2017 Solar Eclipse.

K6MEP

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

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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 at The Ventura Port Authority building, 1603 Anchors Way Ventura 93001

Dues are \$20 per year.

Message from the President

Greetings Current & Prospective Members:

As we think about the year end Holidays, we also think of DecemberFest, the K6MEP dinner we have in place of a meeting. This year we are going to Casa de Soria from 6PM onward December 8. Location: 1961 E. Thompson, 5 blocks west of Seaward in Ventura, 648-2083. The restaurant entrance and parking is on the east side of the building. Bring a guest - All are welcome!

A new net script has been prepared and printed in the Keyer. The net can be started at any time, as soon as 12/4/2017 if desired. I will monitor the WD6EBY repeater frequency, 145.200 - p/l 127.3 Monday at 20:00, 8 PM, and see if there is interest, and begin the first net. The idea is to launch the first net, get some ideas, topics, projects, etc. and see where it goes from there. If there is someone that would like to take the second net, that will be great so that we have several net control operators. Don't be afraid, we all started with no experience!

See the Code of Conduct flap going on at ARRL later in this Keyer issue. I hope this is resolved soon and becomes a non-issue.

Save up your ideas for the January meeting! December is dinner out for K6MEP - see you all there.

Happy Holidays and see you on the radio too!

Joe Krigbaum K6NE
President, VCARC

Secretary's Column and Meeting Minutes

Ventura County Amateur Radio Club Inc. Club Meeting

Meeting Date : 11/10/17

GENERAL MEMBERSHIP MEETING MINUTES

MEETING ADDRESS : Ventura Port District Building 1603 Anchors Way, Ventura

ATTENDANCE : Listed on Roll Check-In Sheet

CALL TO ORDER

Established quorum (25% of Voting Members = 6)

ANNOUNCEMENTS

MEETING MINUTES

Open meeting with Pledge of Allegiance
Introductions.

OLD BUSINESS

Confirmed reservation for December fest at Casa de Soria

NEW BUSINESS

(Cont pg 18)

Selected December 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.

12/02/2017 Skywarn Recognition 2017 Dec 2-Dec 3, 0000Z-0000Z, N0F, Sioux Falls, SD. National Weather Service. 80, 40, 20, 15, 10, 6, and 2 meters. Certificate. NWS Sioux Falls, 26 Weather Lane, Sioux Falls, SD 57104.

12/02/2017 Tigers 44444 The Holidays Dec 2, 1400Z-2000Z, K8TGR, Newton Falls, OH. Newton Falls Technology and Multimedia Club. 146.52 14.275 14.250. QSL. NFMSTMC, 909 1/2 Milton Blvd, Newton Falls, OH 44444. Will be running a special event station at the 2nd Annual Tigers 44444 The Holidays Craft Show and School Holiday Spectacular. Check in to receive a special QSL card. www.k8tgr.org

12/02/2017 W2W – Pearl Harbor Commemoration Dec 2-Dec 10, 1300Z-2200Z, W2W, Baltimore, MD. The Amateur Radio Club of the National Electronics Museum (K3NEM). 14.241 14.041 7.241 7.041. Certificate & QSL. W2W Special Event Station, Box 1693, MS 4015, Baltimore, MD 21203. Primary operation will be Dec 2-Dec 3 with additional operation possible Dec 3-Dec 10, 2017. Times are daily. www.w2w.us

12/09/2017 USS Midway Museum Ship Special Event: Pearl Harbor Remembrance Day Dec 9, 1700Z-2359Z, N16IW, San Diego, CA. USS Midway (CV-41) Museum Ship. 14.320 7.250 PSK31 on 14.070 D-STAR on REF001C. QSL. USS Midway CV-41 COMEDTRA, 910 N Harbor Drive, San Diego, CA 92101.

12/9-10/2017 ARRL 10M Contest Objective: For Amateurs worldwide to exchange QSO information with as many stations as possible on the 10 meter band.

12/11/2017 NASA On The Air - Apollo 17 anniversary Dec 11-Dec 14, 0000Z-2359Z, NN4SA, etc, Huntsville, AL. NASA Amateur Radio Clubs. 14.305 various. QSL. Address at QRZ.COM for appropriate callsign, NN4SA only is c/o Don Hediger ES32, Huntsville, AL 35812. Beginning of year long event where 12 clubs at NASA centers and facilities will be operating special events, contests, and casual contacts. Participating calls of this date: NA6MF; NA6SA; W6VIO; NA1SS; W5RRR; NN4SA; N1KSC; KG4NJA; W4NAN; W4WFF, and NA8A. See URL for complete list of clubs and call signs which will be active and further details of the year-long event which ends in Dec. 2018. We will be self-spotting on the DX clusters and using multiple bands and modes. QSL info available at each call's QRZ.COM page.

nasaontheair.wordpress.com

12/14/2017 Anniversary of Dreamliner First Flight Dec 14-Dec 18, 0000Z-2359Z, W7D, Seattle, WA. L Greg

Magone. 146.52 14.275 14.250. Certificate & QSL. L Greg Magone, 27492 254th PL SE, Maple Valley, WA 98038. This is the December special event station that is part of the 2017 KB7QPS Air, Space, and Technology operating event. airspacetechnology.webs.com

12/16/2017 Christmas in Bethlehem Dec 16-Dec 23, 1500Z-2359Z, KC5OUR, Belen, NM. Valencia County ARA. 7.183 MHz 14.283 MHz 21.283 MHz 28.283 MHz. QSL. KC5OUR, P.O. Box 268, Belen, NM 87002. Celebrating the Christmas season from Bethlehem, New Mexico. kc5our@arrl.net

12/16/2017 WX3MAS Dec 16-Dec 17, 1400Z-2200Z, WX3MAS, Nazareth, PA. Christmas City Amateur Radio Club and the Delaware-Lehigh Amateur Radio Club. 28.465 14.265 7.270 3.850. Certificate. WX3MAS, Greystone Building, 14 Gracedale Ave, Nazareth, PA 18064. CW and PSK31 on 20 and 40 meters; possible 10 and 15 meters depending on conditions. Did you contact WX3MAS? Send a QSL and 9x12 SASE for colorful commemorative certificate. Event runs 1400-2200 Z each day www.dlarc.org

12/24/2017 PVRC 70th Anniversary Dec 24-Jan 1, 1700Z-2359Z, N4P & Others, primarily Mid-Atlantic States. Potomac Valley Radio Club. 14.247 14.047 7.247 7.047 3.847 3.547; others as available. QSL. Ullis Fleming, K3LU, 980 Patuxent Rd, Odenton, MD 21113. PVRC celebrates 70 years with 6 call signs on during the end of December 2017. N4P, N4V, N4R, N4C and founder's call signs W3AU and W3GRF will be active on CW, Phone and digital modes from PVRC member stations. The 6 available QSLs form a single image...so work 'em all! QSL all 6 calls to K3LU, SASE for US and \$2 outside US. PVRC.org

12/26/2017 Battle of Trenton Dec 26, 1400Z-2200Z, W2T, Trenton, NJ. Delaware Valley Radio Association. 14.250 7.250. Certificate & QSL. DVRA - W2T, PO Box 7024, Trenton, NJ 08628. Anniversary of the Battle of Trenton. QSL Card for SASE. If you also work the W2P for the Battle of Princeton on January 3, you can get a certificate of Commission in the Continental Army Signal Corps. See DVRA Website for details. www.w2zq.com

12/31/2017 Ham Radio University 2018 Dec 31-Jan 6, 0001Z-2359Z, W2HRU, Greenvale, NY. Ham Radio University. 7.273 14.273 21.273. QSL. QSL via W2 QSL Bureau, eQSL, LoTW or direct with SASE to, Phil Lewis, 22 Belle Terre West, Lindenhurst, NY 11757. www.hamradiouniversity.org

Antenna Story

By Robert S. Shank, KM6RSS

Background

I earned my Ham technician's license mid-July, 2016, and connected with Steve King (KE6WEZ) during the General exam. He mentioned the Ventura County ACS/ARES organization and provided Rob Hanson's (W6RH) and Grant Mohr's (KG6SFW) email addresses. I contacted them and asked about their knowledge about any antenna restrictions for Ventura and my specific address as I was in the Coastal Commission beach area. Grant called me and discussed antennas and other rigs that could get me connected into the Ventura County amateur radio network. He mentioned several rigs that were "all band" although they were expensive. Rob suggested that I could put up a stealthy wire HF antenna without anyone being aware. He also suggested putting up an off center fed dipole or end fed antenna on the roof. He thought that if I planned to put up a tower, it could be challenging but a short tower on the roof might be OK. My neighbor, Mike Jones (WB6ZXM), gave me his Alda 103 to try out but it needed a power connector, a microphone and an antenna to get it running. Mike had been using an off center fed dipole using a ladder feeder line and showed me his Ham shack. He mentioned that he hadn't had any issues with his antenna as it had been up for over 5 years. He mounted it on a ground-based mast, bolted to the side of his garage roof. It extended about 10' above his roof line but he put up an American-themed windsock on it and it blended in. He didn't know anyone in the Ventura Ham radio community that needed a permit.

My next step was to buy a used Yaesu FT-857D from Mike Gianfrancesco (W2MGF) and a 250 watt version of the dbj1 2-m 70 cm antenna from Ed Fong (WB6IQN). I put it up on a short mast and mounted it on the roof of my three-story, copper roof duplex, held against my chimney. I could now communicate easily but needed to learn how to operate the transceiver and set it up with the Ventura County band plan.

The Antenna

I looked on the internet for used antennas in the Ventura County area and located one in Fillmore. Duane DeSalvo, KD6AF, was moving to Washington State and was selling his 8 year old Gap Titan, as well as his Swan 500 transceiver and Mark II linear amplifier. Duane had two antennas at his house and didn't apply for a permit. Once I got the Titan home (I had to bring it back in a trailer since the largest part wouldn't fit in our car), I put it in the garage and worked on other projects for several months.

Other 857D owners on the Ham websites (eHam.net) had good experiences with random wire antennas using an FT-40 automatic antenna tuner so I bought six 10' PVC pipes and 300' of AWG 12 insulated house wire and installed the wire on insulators through each PVC pipe, fitting the pipes over the existing standpipes. Once I ran the control cable and connected it to the transceiver, I was able to receive some HF and VHF communications, although my roof footprint required me to route the wire in a square configuration and the signal strength was low.

If I wanted to have better reception, it was now time to tackle the Titan. I assembled the major parts in my garage and determined what needed to be ordered. Then I researched how to mount it on the roof and that took months to plan, order and receive the materials (and to fabricate and test out mounting ideas and go back to the planning stage again). At the end of May, 2017 I started the first stage of moving the Titan's parts to the roof. As I was getting ready to finally raise the Titan to a completely vertical position, one of my neighbors asked me if I had city approval for my antenna. That remark raised a "red flag"; what if one of my neighbors complained to the city about my antenna?

Search for Legal Requirement to Install an Antenna

I looked into Ventura city and county code searching for "antenna" but didn't find anything about needing a zoning variance or building permit. On May 30th I sent emails to the Building and Safety "plan counter", to Yolanda Bundy, the Chief Building Official, and to Veronica Ledesma, the Associate Planner, asking them if I needed permission to install an antenna on my roof. Veronica responded that my property was exempt from requiring a zoning variance since I had met the requirements back in 2005 when the duplex was built. I received a call from Vince Tovey, Ventura's Senior Electrical Inspector/Plan Checker, who thought I should meet with him and explain what I proposed to do. Although Vince thought the only issue might be with the grounding of the antenna for lightning issues, he invited Scot Weisse, P.E., to sit in our meeting where they looked at the fifteen pages of materials I prepared for the antenna installation, including manufacturer's copies of all components: antenna, mast, cables, brackets, base plates, grounding strap, etc. Scot reviewed the materials and used a copy of the Residential Plan Submittal Requirements to red line 20 of the 25 general and information documents he required, although the list of types of residential construction activities from the second page didn't have any entry for antenna installation. On the first page of the permit, he said to leave permit type and classification blank, as he wasn't sure how my antenna installation fit in any of the city's categories. He also told me that I had to have a Structural Professional Engineer's "wet stamp" and signature on every document (18" x 24" minimum) and that I would have to submit three originals of each

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document, along with the calculations. Scot explained that since, as far as he knew, my request was the first one the city ever received for installation of an antenna on a residential structure, I would be charged by the hour for his and any other city employee's time. He told me that if I did install the antenna without a permit, I would be cited and fined.

Ventura's New Antenna Plan Submittal Requirements

Scot's requirements sounded too onerous so I contacted Rob and Grant again and updated them on my progress. Rob explained that, as far as he knew, other Ventura County Hams didn't encounter city issues because "they didn't ask". He provided me with contact information for Aaron Engstrom, Ventura County Assistant Planner, who helped write the County's antenna ordinance.

ARRL to the Rescue

On the ARRL website, I found Richard Heller, Esq. (WA6IZH), one of the local ARRL Volunteer Counsel Program Members who lived in the county, and contacted him about my antenna installation issues. Mr. Heller assigned me some homework (read and prepare for a discussion of <http://www.arrl.org/prb-1>) and to contact him when I was ready. Richard called me and we discussed his viewpoint about the city's requirements and asked that I keep him in the loop as things progressed. Aaron emailed me and said that, since I live in Ventura, I need to try to get written verification that my antenna is exempt from a permit. Civil Rights Issue?

After I updated Mr. Heller concerning my meeting with Mr. Tovey and Mr. Weisse, he believed that I might have a civil rights suit against the City and its employees who are depriving me of vested rights established by Federal and CA law. He suggested that I call their bluff and install my antenna. He also asked me to save all of my notes, emails, meeting minutes, telephone calls, etc. for possible future legal action. That advice sounded very good, but I was concerned that legal action might get very expensive. Legal Solutions Can Be Expensive

It was time to look into a legal solution, so I contacted a local law firm with whom I had previously conducted business with and spoke with a zoning and governmental issues specialist. He asked for a \$5,000 retainer and estimated that a trial before an administrative judge would cost \$20,000 in legal expenses. Wow! He suggested that going through a structural engineering firm and meeting the city's requirements would be much less expensive.

Time to Go Back to the ARRL

I did more research in the book section at ARRL's website and ordered "Antenna Zoning for the Radio Amateur", 2nd Edition, by Fred Hopengarten (K1VR). He explained that zoning is usually the biggest challenge in installing an antenna in any community, and, if you don't face a zoning issue, go along with whatever building and safety requires since pursuing a legal solution is very expensive. He suggested having neighbors sign a letter supporting the desire of a Ham radio licensee to install an antenna and be there to help with communications "when all else fails" is a positive resource to the community.

That perspective made an impact on me and made me realize that providing community service is an important aspect of Ham radio. I wrote the recommendation letter and two of my three neighbors signed it. The other neighbor was concerned that the letters would be released by the city to the neighborhood and would cause "bad feelings" for anyone who disliked having an antenna on the street.

VE, VCARC, ARES and Field Day

To initiate my community service program, I contacted Jeff Reinhardt (AA6JR), the CVARC VE Coordinator, and was invited to participate at the June 11th 2017 test. ARRL Santa Barbara Section sent me an invitation to the Ventura County Supervisor's Proclamation presentation and I attended, dressed appropriately with a yellow shirt. I got to meet Jeff Reinhardt, Rob Hanson, Joe Krigbaum (K6NE) and several others at the ceremony. After the presentation, Rob sent me an ACS/ARES registration form and I was soon accepted. He also invited me to the VCARC meeting, which I attended and became a member. During the meeting I volunteered to help set up and take down the equipment for the Field Day weekend.

On June 28th, I found a Ventura Building and Safety notice from Jarrad Craig, Inspector, to stop work taped to my mail box. I updated Mr. Heller who suggested I write formal letters to the city officials, using certified mail with return receipts requested. I contacted a city council member, the city attorney and all of the building and safety department employees that I had spoken to. In my letter I requested to be informed of the specific ordinance, statute or law that I had broken. Mr. Heller provided valuable editing and correction of my document.

Another Meeting with the City Building and Safety Department

To ensure that I had the city's exact requirements before I contracted with a structural engineering firm, I made an appointment with Ms. Bundy and Mr. Weisse. I brought all of the material that I previously presented, along with all of the Local, County, State and Federal statutes. I argued that my antenna installation met all safety requirements and that I had

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purchased antenna insurance to add to my \$2 million umbrella and \$300,000 home owner's insurance. Ms. Bundy began the meeting with a statement that I MUST file for a permit, although she agreed that I don't have to provide the 20 items that Mr. Weisse had required. I still have to provide a wet-stamped PE-signed 18 x 24 sized elevation section with antenna height, detailed antenna attachment points, engineering calculations on wind loading, with name, address, and scope of work. Mr. Weisse estimated my cost for an engineer to create the information should cost about \$1,500, minimally. No charges by the Building and Safety Department were mentioned. Ms. Bundy stated that the only reason that I have to do this is because a neighbor (who has complained about other neighbor's issues, such as having an unpermitted gazebo) complained to her department "several times". She said that she was unaware of any other Ventura resident who was required to file for a permit (I would be the first). I requested that she put all antenna permit requirements into a formal document so that I could share them with my legal advisor and my VC-ARC friends and let them know that the city may be citing them for non-compliance of the code.

When I questioned the application of the 2016 California Building Code 14.04.040 Section 105 – Permits – Amended – Work exempt from permit" page that she provided me, which states "the provisions of this code shall not apply to electrical equipment used for radio and television transmissions, but do apply to equipment and wiring for a power supply and the installations of towers and antennas", she called Mr. Gregory Diaz, Attorney for the City of San Buenaventura, who joined our meeting. Mr. Diaz stated that when he received my letter, he sent the document to an outside attorney who was more familiar with antennas, and who cited this California Building code section. He said he was prepared to enforce this code and suggested that I comply with it. Mr. Weisse then provided me with a dozen or so detailed documents required for wind load and seismic design.

What Does the California Building Standards Commission (BSC) Say About This Code?

I contacted Mr. Michael L. Nearman, Deputy Executive Director – CBSC, and asked him about the applicability of the code to a Ham radio antenna. He responded that "The Building Standards Code, 2016 California Electrical Code do not specifically define "Radio and television transmitting stations" however, in Art. 820 the code addresses these items. This Art. addresses these devices as they relate to "Community Antenna Television and Radio Distribution Systems". These are the systems regulated by a utility not for a private residence with a ham radio antenna. Your only option is to work with the authority having jurisdiction as this is under their authority and only they can address your antenna situation. Hope this help... remember the local authority is the key to your issue." Now What?

My next step was to contact members of the VCARC and share my situation on the Yahoo K6MEP group site. I received several comments about work arounds, such as putting an antenna on my trailer or on a flag post, but nothing that I could act upon. It appears that none of the members who posted comments had ever heard of Ventura requiring a building permit to install an antenna on a roof. Back to the City's Building and Safety Department for an Engineering List

I contacted Ms. Bundy and asked for a list of approved structural engineering firms and began contacting all seven of them. My original builder and engineering company for my duplex was Vinci and Associates and although they sent me some building documents, wouldn't take on the project because they had no expertise in working with antennas. Neither did five of the other companies want to even look at the project. RGSE to the Rescue

In mid-July, one company on the list, RGSE Inc., Structural Engineers, of Simi Valley, responded and agreed to look at the project and requested that I send them all of the documents I had from all sources. One month of communications and a visit to RGSE as well as a payment of \$2,492.50 resulted in a three sets of plans and calculations for the city. I was ready to meet with Building and Safety with all of the documents they requested. Piece of Cake

I met with Ms. Bundy and Mr. Weisse on August 21st and was pleased that they accepted the plans and stamped everything with their approval. Another \$204.97 for the permit and I had all of the paperwork needed to install the antenna. All in all, I only spent about \$2,700 for the privilege of putting a Ham radio antenna on my roof. If I Knew What It Would Take (In the Beginning) To Put Up An Antenna, Would I Have Done It?

Yes, I met many interesting people and learned a great deal about many governmental authorities. The cost and time was well worth the experience. And I am now a member of VCARC, ARES and active as a VE.

Editot's Note – We have run this adaptation of Clement Clarke Moore classic for several of the past years – I first read it in QST, likely in the 1996 December issue. It has gotten a bit dated from a few obscure references, but it is still delightful. '73 and a Non-Offensive, Non-Sectarian, Non-denominational, Politically, socially and ethically correct Greeting to All.

A Ham's Night Before Christmas

'Twas the night before Christmas,
And all through 2 meters,
Not a signal was keying up
Any repeaters.

The antennas reached up
From the tower, quite high,
To catch the weak signals
That bounced from the sky.

The children, Tech-Pluses,
Took their H-Ts to bed,
And dreamed of the day
They'd be Extras instead.

Mom put on her headphones,
I plugged in the key,
And we tuned 40 meters
For that rare ZK3.

When the meter was pegged
By a signal with power.
It smoked a small diode,
And, I swear, shook the tower.

Mom yanked off her phones,
And with all she could muster
Logged a spot of the signal
On the DX PacketCluster,

While I ran to the window
And peered up at the sky,
To see what could generate
RF that high.

It was way in the distance,
But the moon made it gleam.
A flying sleigh, with an
Eight-element beam,

And a little old driver
Who looked slightly mean.
So I thought for a moment,
That it might be Wayne Green.

But no, it was Santa,
The Santa of Hams.

On a mission, this Christmas,
To clean up the bands.

He circled the tower,
Then stopped in his track,
And he slid down the coax
Right into the shack.

While Mom and I hid
Behind stacks of CQ,
This Santa of hamming
Knew just what to do.

He cleared off the shack desk
Of paper and parts,
And filled out all my late QSLs
For a start.

He ran copper braid,
Took a steel rod and pounded
It into the earth, till
The station was grounded.

He tightened loose fittings,
Resoldered connections,
Cranked down modulation,
Installed lightning protection.

He neutralized tubes
In my linear amp.
(Never worked right before;
Now it works like a champ).

A new, lowpass filter
Cleaned up the TV.
He corrected the settings
In my TNC.

He repaired the computer
That would not compute,
And he backed up the hard drive
And got it to boot.

Then, he reached really deep
In the bag that he brought,
And he pulled out a big box.
A new rig? I thought!

A new Kenwood? An Icom?
A Yaesu, for me?!
(If he thought I'd been bad,
it might be QRP!)

Yes! The Ultimate Station!
How could I deserve this?
Could it be all those hours
that I worked Public Service?

He hooked it all up
And in record time, quickly
Worked 100 countries,
All down on 160.

I should have been happy,
It was my call he sent.
But the cards and the postage
Will cost two month's rent!

He made final adjustments,
And left a card by the key:
"To Gary, from Santa Claus.
73."

Then he grabbed his H-T,
Looked me straight in the eye,
Punched a code on the pad,
And was gone with no good-bye.

I ran back to the station,
And the pileup was big,
But a card from St. Nick
Would be worth my new rig.

Oh, too late, for his final
came over the air.
It was copied all over.
It was heard everywhere.

The Ham's Santa exclaimed
What a ham might expect,
"Merry Christmas to all,
And to all, good DX!"

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Available Gear

I have a ICOM IC-730 HF transceiver with a Drake MN7 matching network (tuner). It comes with a Alda 12 volt power supply. I would like to sell them together as it would make for a good starter set up. I am asking \$150.00 for all three. If necessary I will throw in some used coax.

I also have a couple of lengths of used RG-8 coax. Asking \$5..0 to \$20.00 per piece.

Also have some RG-59 72 ohm coax. New still on the reel. Cheap.

Thanks.

Denney N6HV

denney@thefiascofactory.com

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://www.Facebook.com/HamStudy>

<http://hamexam.org/>

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

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

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

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

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

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

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

Upcoming FCC Exam Sessions

12/02/2017 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

12/02/2017 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

12/02/2017 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

12/02/2017 Time: 8:00 AM (No walk-ins) Sponsor: SMRA Emergency Repeater Network VEC: ARRL/VEC Contact: George W. Kreider (805) 754-2677 Email: kn6la@verizon.net Location: Betty Plotkin Center, American Red Cross 834 / 836 Calle Plano, Camarillo, Ca 93012; 34d 11m 55.21s N / 119d 00m 28.30s W ; Directions: From US 101, exit Pleasant Valley / Santa Rosa Road, southbound on Pleasant Valley turning left at Pancho Rd. approx. 3/4 mile on Pancho Rd. Left on Pancho at Calle Bolero; Red Cross is 1/2 mile directly ahead.

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

12/06/2017 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

12/06/2017 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

12/09/2017 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 Colorado Blvd Pasadena CA 91105-3010 Wingate Bldg East conf. Room; Check in Booth E parking Lot [www.arrllax.org](#) (ed. Note – Huntington Hospital is 100 W CALIFORNIA)

12/09/2017 Time: 9:00 AM (Walk-ins allowed) Sponsor: South Bay ARC VEC: [ARRL/VEC](#) Contact: Joseph M. Lanphen (310) 328-0817 Email: jlphen@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

12/10/2017 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

12/16/2017 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

12/16/2017 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

12/18/2017 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

12/18/2017 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

12/30/2017 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

01/20/2018 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

02/03/2018 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

02/10/2018 Time: 8:00 AM (No walk-ins) Sponsor: SMRA Emergency Repeater Network VEC: ARRL/VEC Contact: George W. Kreider (805) 754-2677 Email: kn6la@verizon.net Location: Betty Plotkin Center, American Red Cross 834 / 836 Calle Plano, Camarillo, Ca 93012; 34d 11m 55.21s N / 119d 00m 28.30s W ; Directions: From US 101, exit Pleasant Valley / Santa Rosa Road, southbound on Pleasant Valley turning left at Pancho Rd. approx. 3/4 mile on Pancho Rd. Left on Pancho at Calle Bolero; Red Cross is 1/2 mile directly ahead.

02/10/2018 Time: 9:00 AM (Walk-ins allowed) Sponsor: South Bay ARC VEC: ARRL/VEC Contact: Joseph M. Lanphen (310) 328-0817 Email: jlphen@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

02/11/2018 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

02/17/2018 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

Upcoming HamFests & Conventions

[Superstition SuperFest 2017](#)

Start Date: 12/02/2017 **End Date:** 12/02/2017 **Location:** Mesa Community College 1833 West Southern Avenue Mesa, AZ 85201 **Website:** <https://superstitionsuperfest.org> **Sponsor:** Superstition Amateur Radio Club **Type:** ARRL Hamfest **Talk-In:** 147.12, 162.2 (PL 100.0) **Public Contact:** Dale Schmidt , N7QJK 156 North Hawes Road, Space 74 Mesa, AZ 85207 Phone: 480-986-3352 **Email:** info@superstitionsuperfest.org

[Thunderbird Hamfest 2018](#)

Start Date: 01/13/2018 **End Date:** 01/13/2018 **Location:** Northwest Community Church 16615 North 43rd Avenue Phoenix, AZ 85001 **Website:** <http://www.w7tbc.org> **Sponsor:** Thunderbird Amateur Radio Club **Type:** ARRL Hamfest **Talk-In:** 146.700 -600 KHz (PL 162.2) or 446.150 -5 MHz (PL 100) **Public Contact:** Walter Reinert , NJ8G 5546 West Sweetwater Avenue Glendale, AZ 85304 Phone: 602-938-8219 **Email:** hamfest@w7tbc.org

[QuartzFest Convention](#)

Start Date: 01/21/2018 **End Date:** 01/27/2018 **Location:** Road Runner BLM La Paz Valley Road (53rd Street N) Quartzsite, AZ 85346 **Website:** <http://quartzfest.org> **Sponsor:** QuartzFest Planning Committee **Type:** ARRL Convention **Talk-In:** 146.55 FM Simplex **Public Contact:** Kristyn Weed , KR1SS 1519 North Camino Emiliano Tucson, AZ 85745 Phone: 520-730-1806 **Email:** kristynweed@gmail.com

[Southwestern Division Convention \(Yuma Hamfest\)](#)

Start Date: 02/16/2018 **End Date:** 02/17/2018 **Location:** Yuma County Fairgrounds 2520 East 32nd Street Yuma, AZ 85364 **Website:** <http://www.yumahamfest.org/> **Sponsor:** Yuma Amateur Radio Hamfest Organization **Type:** ARRL Convention pending Executive Committee approval **Talk-In:** 146.780 (PL 103.5) **Public Contact:** Jeff Weeks , W7JLW 10337 South Fairway Drive Yuma, AZ 85367 Phone: 928-941-0131 **Email:** jeff@weekspcservices.com

Trivia for December 2017

DID YOU KNOW?

1. The Louisville slugger baseball bats date from 1884 and is still #1 in the industry today.
2. Grover Cleveland at age 47, is the only Us President married in the White House.
3. During the civil war, boys would enlist as army musicians.

de Dana KG6WXE

K6MEP Net Scrip

"Is this frequency in use, or is there any emergency or priority traffic?" "Hearing none, the following is a Q-S-T."
 "This is _____, net control station for the Ventura County Amateur Radio Club Net."
 "This is a directed, open net for all radio amateurs, sponsored by K6MEP, the Ventura County Amateur Radio Club. This net begins each Monday evening at 20 hundred hours, 8 P-M local time, on the WD6EBY Linked system. Primary frequency for this net is "
 " One—Four—Five—Decimal—Two—Zero—Zero megahertz, PL Tone One—Two—Seven—Decimal—three."
 "All amateurs are welcome to check in. A discussion and roundtable will follow check-ins. A ragchew session may follow the formal net."
 "K6MEP, the Ventura County Amateur Radio Club, meets at Seven Thirty P-M on the Second Friday of each month at the Ventura County Port Authority 1603 Anchors Way Ventura, CA 93001."
 "K6MEP meetings are the second Friday of each month. The next meeting date is _____" (From the newsletter calendar section).
 "When Checking in on a these linked systems, remember to key-down, then pause 1/2 to 1 second to allow all links to engage."
 "Are there any K6MEP Member Check-ins to the K6MEP Net at this time? K6MEP Members, please check in now with your Call and First Name."
 <<<IMPORTANT: Keep a log each week of those checking in, call & first name>>>
 <Acknowledge Member Check-ins - example: Good evening Bob KD6UDA, you are Q5, OR nice signal. Next Member please; repeat until no more members.>
 "Visitors please check in now with your Call and First Name."
 <Acknowledge Visitor Check-ins - same as with members>
 "Any late, missed, or visitor check-ins? Please call K6MEP with your Call and First Name"
 <Announcements, Topics, etc. go here>
 (Roundtable) ***** "Any last comments?"
 Two Meter Closing: — "Good evening to you all, this net is closed at _____ (Time) We would like to thank Paul WD6EBY for the use of the this repeater and linked system for our net"

K6MEP CALENDAR

- December 2017**
- 2: Skywarn Recognition – NOAA/NWS Skywarn Recognition at NWS Oxnard – contact Rob Hanson W6RH w6rh@arri.net
 - 8: DecemberFest Dinner Meeting at Casa de Soria in Ventura – 6:00 PM 1961 E. Thompson, Ventura
 - 9: Camarillo Christmas Parade – ARES Support – contact Ted W6TEL w6tel@arri.net
 - 10: Santa to the Sea Half-Marathon – ARES Support – contact Stewart KG6BOV kg6bov@arri.net
 - 12-20: Chanukah
 - 24-25: Christmas Eve & Day Watch out for renegade reindeer
 - 31: New Year's Eve / Straight Key Night
- January 2018**
- 1: New Year's Day
 - 12: Regular Monthly Club Meeting at 7:30pm. K6MEP Board meeting precedes the club meeting at 7:00pm
 - 15: Martin Luther King Day
- February 2018**
- 2: Ground Hogs Day
 - 12: Regular Monthly Club Meeting at 7:30pm. K6MEP Board meeting precedes the club meeting at 7:00pm
 - 12: Lincoln's Birthday
 - 19: Presidents Day
 - 14: Valentines Day
 - 22: Washington's Birthday

To join Ventura 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 _____

Below line for club staff processing only.

Treasurer _____ Secretary _____ Membership Chairman _____ Roster entry _____

Membership certificate _____ New member letter _____

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 Ext 320.

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-20.17 **Diversity Awareness Course 2017** - (1/25/2017)
- 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-35.17 **FEMA Safety Orientation 2017** - (1/25/2017)
- 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-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.a **National Incident Management System (NIMS) An Introduction** - (10/31/2013)
- 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-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)

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 / 447.580 Mhz(-) PL 141.3

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

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

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

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

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

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

Area 6 Ventura City – K6ERN 147.765 Mhz (-) PL 127.3 Olivas Park / SMRA

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 145.420 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: Ted Lansing W6TEL Email: w6tel@arrl.net

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.

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

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 2011, 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.

The course is offered online using the Moodle learning platform. The *Introduction to Emergency Communication* course has six sections with 29 lesson topics and a 35 question final assessment. Participants should plan on completing the course in approximately 45 hours over a nine week period. This is a mentored course, in which you may work according to your own schedule. Cost is \$50 for ARRL members and \$85 for non-members.

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.



Local Area Radio Nets

Weekly Nets

Monday

Cuckoo Net **146.790 Mhz (-) / 131.8 Hz PL** every weekday morning from 7:00 AM to about 8:20 AM

California Rescue ARES Net **7.25 Mhz** MTWThF 8:30 AM

K6MEP / VCARC Club Net -- **146.970 Mhz (-) / 127.3 PL (WB6YQN repeater)**

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

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**

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

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

Tuesday

Cuckoo Net **146.790 Mhz (-) / 131.8 Hz PL** every weekday morning from 7:00 AM to about 8:20 AM

California Rescue ARES Net **7.250 Mhz** MTWThF 8:30 AM

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**

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

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

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

2000 **6-Meter Roundtable** - **50.125 Mhz USB** First Tuesday of each month.

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

Wednesday --

Cuckoo Net **146.790 Mhz (-) / 131.8 Hz PL** every weekday morning from 7:00 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** every weekday morning from 7:00 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** every weekday morning from 7:00 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

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)

GENERAL MEMBERSHIP MEETING

Election of officers for 2018 term.

Results :

President Joe K6NE 19

V.P. Reese KQ6TT 20

Sec. Bob KD6UDA20

Treasurer John AG6GL 20

Board 1 Rod KA6GSU 13

Board 2 Steve Noll WA6EJO 14

Board 3 Stewart KG6BOV 16

Presentation by Paul Dolton about Receiver Sensitivity and measuring performance.

COMMENTS

Notes

Roll Call

Total attendance :

Guests:

EXECUTIVE BOARD MEETING MINUTES

MEETING ADDRESS : Ventura Port District meeting room 1603 Anchors Way, Ventura

OFFICER ATTENDEES

CALL TO ORDER

Joe calls brief meeting

MEETING MINUTES

Call to approve minutes, approved by all board members.

Joe had asked for Secretary Report Report by Bob KD6UDA : Current membership is 38, no other items to report.

Treasurers report on bank balances

OLD BUSINESS

Brochure about convention, in regard to club sponsorship if feasible. Steve Noll has a example copy.

Convention issue tabled until January.

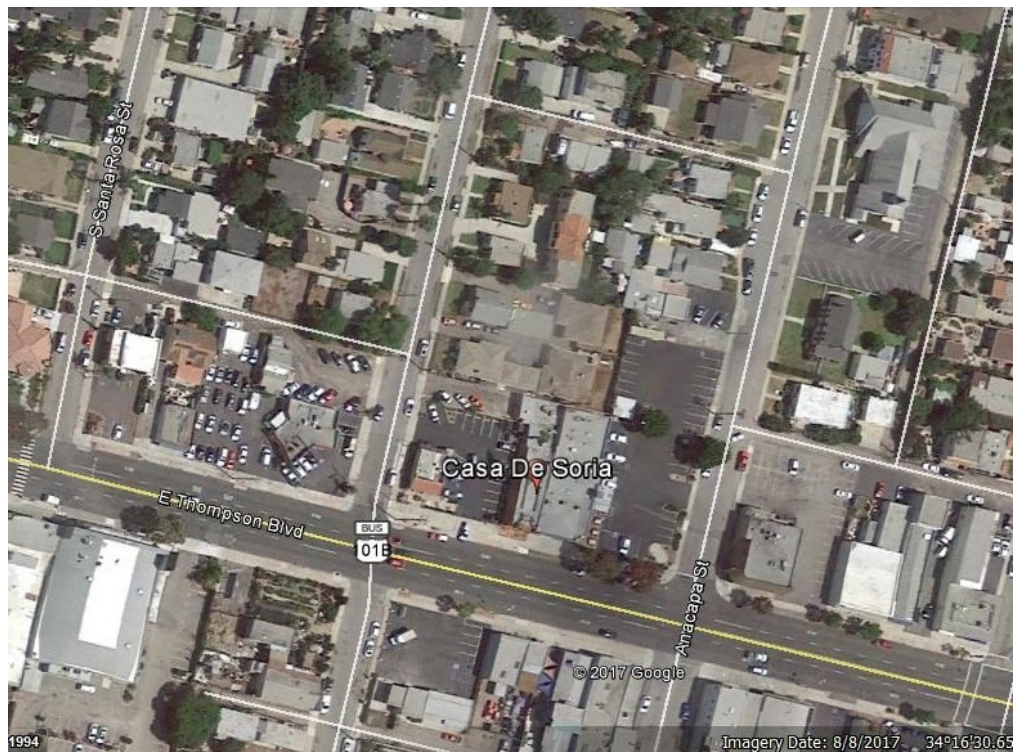
Confirmed that we have a reservation at Casa de Soria for the December Fest meeting on the 8th.

NEW BUSINESS

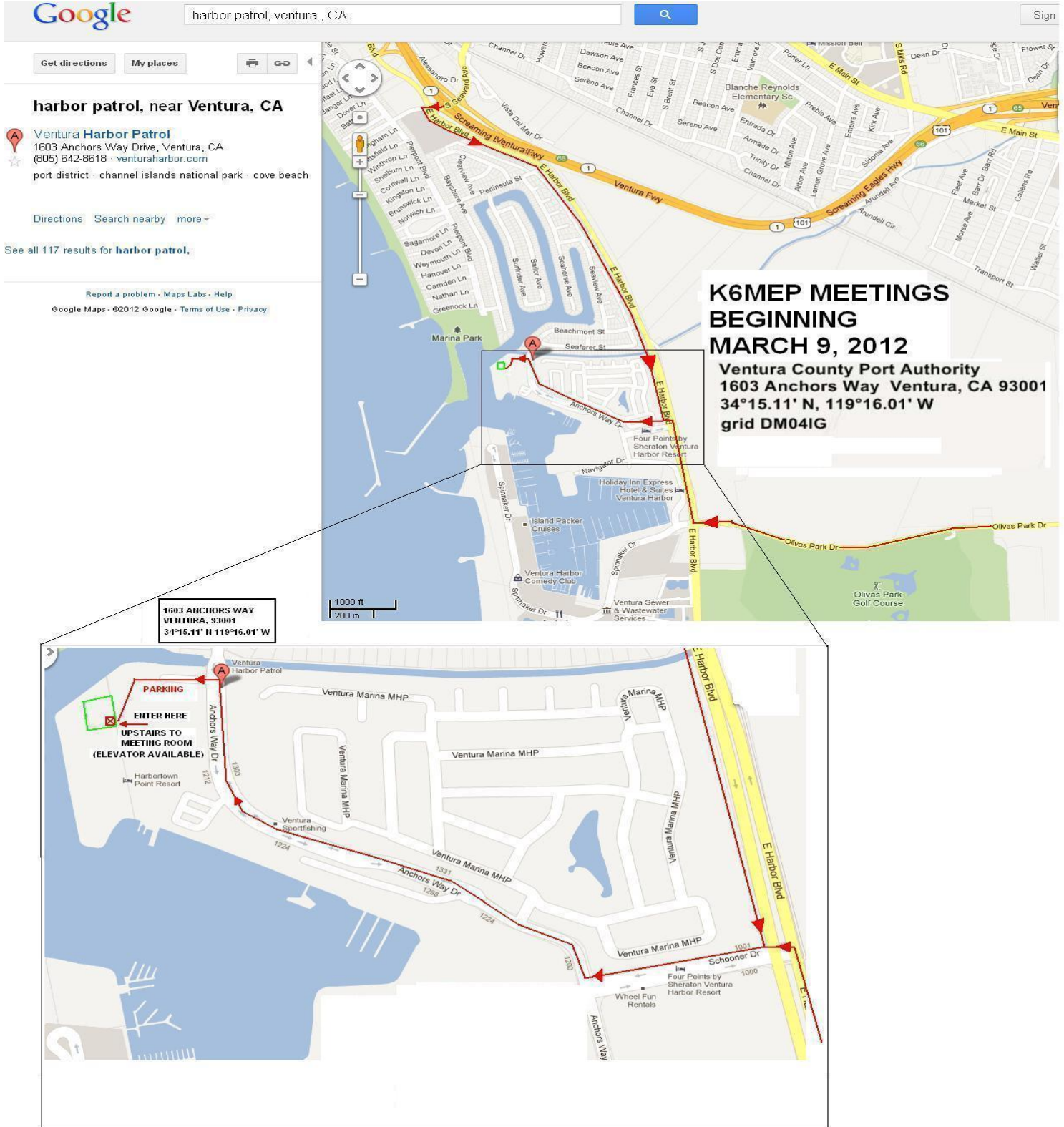
COMMENTS

ADJOURN

Board meeting adjourned and proceed to General meeting.



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



ARRL Board of Directors Publicly Censures Southwestern Division Director

11/20/2017

Acting on a recommendation of its Ethics and Elections Committee, the ARRL Board of Directors has publicly censured one of its own — ARRL Southwestern Director Dick Norton, N6AA. On an 11-3 vote, with one member abstaining, the Board adopted a resolution to censure Norton for criticizing the ARRL Code of Conduct for Board members at an Amateur Radio gathering “by virtue of his characterizations thereof, thus criticizing publicly the collective action of the Board of Directors adopting said Code of Conduct and drawing the Board’s collective decision making into disrepute.”

The resolution cited “multiple portions of the Code of Conduct” that Norton was found to have violated. The Board’s action related to a complaint filed with the Ethics and Elections Committee by an ARRL member.



The Board met in special session by teleconference on November 14 to consider the matter. President Rick Roderick, K5UR, conducted the session; ARRL CEO and Board Secretary Tom Gallagher, NY2RF, and ARRL General Counsel Chris Imlay, W3KD, were among those who attended the evening online gathering.

A Response from N6VI

To my fellow SCCC members,

On Monday, November 20, the ARRL posted an article on its Web page entitled, “ARRL Board of Directors Publicly Censures Southwestern Division Director”. Yes, they’re referring to our own N6AA, who has served as our elected representative to the ARRL Board for over twelve years, longer than most of the other Directors and Vice Directors have been in the Boardroom.

You can read the story and related minutes of the special meeting for yourself, but what these documents omit is that the allegation on which the censure was likely based appears to be untrue. During the 2017 International DX Convention in Visalia, at the ARRL Forum, Dick factually described the Code of Conduct adopted four months earlier at the ARRL Board’s annual meeting. He made no statement against the Code, but members in attendance almost unanimously voiced their objections to it. That Code, which only three Directors (Norton, Woolweaver and Abernethy) voted against, shifts a League Director’s primary duty of loyalty from members (and, by extension, Amateur Radio in general) to the corporation. It further prevents a Director from expressing publicly any reservations as to any decision, wise or unwise, made by the Board majority and from disclosing any Director’s vote, including his or her own. This is a fundamental and significant change for what had been a member-driven organization for over a century, and I fear there are more such changes to come. Frankly, the events foreshadowing this change were a major factor in my decision last year not to seek re-election as Vice Director.

I find it ironic that this public censure was orchestrated by the Board’s Ethics and Elections Committee, in the face of substantial contrary evidence offered by respected and reliable sources such as K6FG and K3LR, against someone who has consistently shown the highest level of ethics in and outside the Boardroom.

I expect more detail to be shared soon, and we will have opportunities for in-person discussions on this whole matter over the coming months. I will gladly participate in those discussions. Feel free to pass this message on to other interested parties.

73,

Marty N6VI

Response by K6FG

November 22, 2017

Actions taken this year by the ARRL leadership have undermined my admiration and respect for the League, its officers and directors. As a long time ham, I grew up in the hobby with the understanding that I could always count on the League to be a fair and democratic national organization devoted to the best interests of amateur radio.

Well things apparently changed in 2017.

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

The Code of Conduct is one of the most outrageous piece of legislation that I could imagine. The gag order that binds the directors to secrecy offends my sense of ethics and propriety. What possible harm can result in allowing a director to share with his or her division's hams the vote taken by that director on any Board resolution that passed or failed? Without that information, how can the members evaluate whether or not he or she deserves another term? Members will simply have no basis upon which to reelect (or throw out) a sitting director. Worse yet, a challenger can freely slander and attack the existing league administration; but the sitting directors will not have the right to counter false and malicious attacks.

The Code of Conduct is something I would expect to be enacted in countries that have totalitarian despotic leaders who strive to maintain a government without opposition or dissent. Shame on the ARRL; it should be better than that!

As for Norton, he was convicted by the League in the absence of evidence against him. Apparently the ARRL's sense of due process does not require evidence.

Since the Board's groundless censure of Norton, I have attended several amateur radio gatherings. Response to my negative comments about the Code of Conduct and about Norton's censure has been 100% supportive of my strongly felt opinions.

Please review the copy of my November 9, 2017 email that I sent to the ARRL directors and officers. In that email, I clearly stated (at the 2017 Visalia DX Convention) that it was the membership that expressed strong disagreement with the Code of Conduct, not Norton. Norton clearly stated that he fully supported the League and its actions.

Please also review the copy of November 8, 2017 email to the officers and directors of ARRL from Tim Duffy, K3LR.

You are authorized and encouraged to widely share and publish this email (and the incorporated emails) throughout the ham radio community. Maybe responsive chords will resonate.

Thank you and 73,

MARK A. WEISS, K6FG

Verbatim copy of November 9, 2017 email sent by K6FG to the ARRL officers and directors:

November 9, 2017

Dear *****,

This email is sent to you in response Director Dick Norton's request that I provide you with my recollection of some events that took place at the ARRL Forum during the 2017 International DX Convention in Visalia, California.

For your consideration, at the end of this letter I have included a brief statement of my relevant background information.

I don't recall the identity of all of the members of the Visalia ARRL Forum's panel, but Dick Norton appeared to be the primary speaker.

One of the topics addressed was the new Code of Conduct.

Dick Norton began the program by stating that he, as a Director, fully supports the actions of the Board of Directors. He covered some points of the new code that impact his relationship with the membership. Dick then inquired of those present if there were any questions or comments from the floor.

In response to Dick's inquiry, several of us raised our hands and were recognized.

When I spoke, I was very direct in my strong opposition to enactment of the confidentiality provisions contained in the Code of Conduct. My expressed thoughts included, but were not limited to the following:

1. I acknowledged that Board member loyalty and commitment to the League was properly mandated; but the gag order contained in the Code of Conduct is clearly contrary to my sense of serving the best interests of the ARRL members.

2. I stated that contrary to the view expressed by the current ARRL administration, ARRL is a representative organization. That is, our districts elect directors and vice-directors to create and implement policies and rules that best represent the interests of amateur radio in general, AND THE INTERESTS OF OUR DISTRICT IN PARTICULAR.

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3. It is my understanding that directors and vice-directors are precluded from informing their district members of the various (and conflicting) views expressed by the directors during the legislative process. If my observation is correct, I fear following will occur:

A. I may never be provided with information upon which I can evaluate the propriety of the Board's action.

B. I will never know the positions advocated or supported by my director at the Board meeting.

C. I will never know if my elected director acted in furtherance of the best interests of the hobby in general, or in the best interests my district in particular.

D. I will have no factual basis upon which to support or oppose my director's bid for reelection when his or her current term ends.

Much to my surprise, as I was sitting down after I finished delivering my brief remarks, there was unanimous and very loud applause. I was shocked because I had not intended to stir up widespread opposition to the ARRL leadership's action; it was my intention to simply express the reasons for my opposition to the Code of Conduct.

It was immediately apparent to me that my remarks resonated with nearly everyone in the room. In fact, at the conclusion of discussion of the issue, the call for a vote in support or opposition to the Code of Conduct resulted in an overwhelming condemnation of the Code.

The Code of Conduct has been discussed at meetings I attended this year at our local radio clubs. The consensus among the club members was always consistent with the reaction to my comments at the Visalia ARRL Forum.

It is my fear that the League is heading down the path of becoming a secret "Star Chamber" organization without the transparency to which our membership is entitled.

Please do not form the impression that I believe Board disclosure to the membership is absolute. I indeed recognize the need to maintain confidentiality of proceedings in appropriate circumstances.

The Code of Conduct is already generating adverse consequences to the League. I personally know of valuable bequests that have been withdrawn as a result of the new disclosure rules. If this action is a trend, the League will definitely be harmed.

It is my opinion that the League's leadership made a major mistake in adopting the Code of Conduct. Please do what you can to cause the Board to revisit the Code of Conduct legislation. Please remove the "gag order" provisions. Please freshen the air the surrounds the ARRL leadership.

Thank you & 73,

MARK A. WEISS, K6FG

P.S. The following is a brief summary of my background:

Amateur Radio

ARRL life member

Former chair of IARU Region 2 Band Plan Committee

Former member of ARRL Band Plan Committee

Employment:

1967-1968: Litton Data Systems. Engineer

1969-1985: Attorney

1986-2006: Los Angeles County Superior Court

Verbatim copy of November 8, 2017 email sent by K3LR to the ARRL officers and directors:

Dear Officers and Directors of the American Radio Relay League, Inc.;

I attended the ARRL Forum held at the April 2017 International DX Convention in Visalia, California, as I do every year. Dick Norton, N6AA has asked me to report on two of my observations during the ARRL forum.

K6MEP Keyer December 2017

k6mep@qsl.net / www.qsl.net/k6mep
<https://groups.yahoo.com/neo/groups/K6MEP/info>

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One item discussed at the ARRL forum was the new ARRL code of conduct for ARRL Directors. Dick Norton covered items contained in the code of conduct. It was clear that the audience was not happy about what was being told to them. A number of forum audience participants spoke in strong opposition to certain aspects of the code. My own personal attorney (and ARRL volunteer counsel) K3LA was surprised by what N6AA presented. K3LA is also opposed to the code and seeing the audience was clearly upset by Dick's presentation concerning the code, he walked out of the room. The opposition came from the upset audience, not from Dick Norton. Norton specifically pointed out that he supports the board's positions. I have previously discussed this code and other ARRL topics with Dick. I was not surprised by the audience's strong negative response to the code. Their reaction also mirrors my own feelings.

Second, I have been asked to report that there were many other topics covered at the forum. That is true. The code of conduct was only a part of the agenda that Dick discussed at the ARRL forum.

Please do not hesitate to contact me directly if you have questions.

Very 73,

Tim Duffy K3LR

ARRL Maxim Society & ARRL Diamond Club Member

ARRL Life Member

[This document was downloaded 11/27/17 from the ARRL web site and converted from the original pdf to a Microsoft Word document. Certain interesting words and phrases have been highlighted in red by me. After studying this document one wonders what the point is of ARRL members electing directors and vice directors from each of the 15 ARRL divisions. It does not appear from this document that the intent of having these directors is to represent those who elected them to the League, but rather that those elected are to represent the League to those who elected them and to act as rubber stamps for the ARRL management. Consider this statement from section 8: "A Board member must accept and publicly support Board decisions." This is ethical? Where, in China or North Korea? Perhaps the Board should dispense with elections and just appoint their own puppet directors.

73, Steve J. Noll WA6EJO]

ARRL POLICY ON BOARD GOVERNANCE AND CONDUCT OF MEMBERS OF THE BOARD OF DIRECTORS AND VICE DIRECTORS

Being elected to serve on the ARRL Board of Directors is an honor and privilege bestowed by the membership. It is one that carries with it a serious responsibility to serve the interests of the ARRL and its members. Members of the Board of Directors and Vice Directors serve in a representative capacity relative to ARRL members, and in a fiduciary capacity relative to the organization as a whole. References below to Board members apply equally to Vice Directors.

Board members should conduct themselves and perform their duties with integrity, collegiality and care.

Board members, as fiduciaries, must always abide by, and are obligated to ARRL as an organization to follow, the three legal duties of good faith, care and loyalty during their tenure. The duty of good faith means that the Board member must act in compliance with the corporate mission, at Division and national levels, and not in a way that is inconsistent with ARRL's goals. The duty of care requires Board members to be informed as to ARRL matters and to conduct themselves in a manner reasonably believed to be in the best interests of the corporation. The duty of loyalty means that the Board member must act in the best interests of the corporation and its mission, rather than in the Board member's own interest or in the interest of

another person or entity. Each Board member has basic responsibilities that derive from these legal obligations:

- Supporting the mission and purpose of the ARRL, as reflected in its Articles of Association, and abiding by its Bylaws and policies;
- Diligently preparing for, attending, and participating in Board meetings, committee meetings and related activities;
- Ensuring that the financial and business affairs of the ARRL are, to the best of the Board member's awareness, managed in a responsible manner;
- Acting always in good faith and in the best interests of the ARRL organizationally, setting aside any personal interest and avoiding any conflicts of interest or actions taken in the interest of the Board member or of third parties rather than in the interest of ARRL;
- Cooperating with and respecting the opinions of fellow Board members and management, leaving personal prejudices out of all board discussions and showing respect and courteous conduct in all board and committee meetings;
- Maintaining the confidentiality of, and making no unauthorized disclosure of, sensitive or proprietary information obtained as a result of Board service;
- Representing the organization and its initiative and advocacy efforts in a positive and supportive manner at all times and in all places;
- Supporting actions taken by the Board even when the Board member personally did not or does not support the action taken, avoiding any adverse characterization of Board decisions that might bring the organization into disrepute;
- Taking no actions beyond the scope of the Board member's authority; and
- Refraining from intruding on administrative issues that are the responsibility of management, except to monitor the results and ensure that procedures are consistent with Board policy.

Board members must also recognize that the Board acts only as a collective entity. Success of ARRL and the success of Amateur Radio generally depends on the contributions of all Board members; their ability to work well together; and the fulfillment of the obligations listed above.

Based on the foregoing core principles and obligations of each Board member, this Policy establishes standards of conduct expected of each Board member and Vice Director.

STANDARDS OF CONDUCT

1. **INDIVIDUAL CONDUCT:** To properly serve the ARRL and its members, each Board member must at all times act with dignity and integrity, both inside and outside of Board meetings, reflecting the ARRL's high standards for ethical behavior and professionalism.
 - a. Each Board member sets the tone for ARRL, its members and volunteers by acting as a leader and serving as an example of dedication, integrity and professional conduct.
 - b. A Board member should take no action that could adversely affect the reputation or credibility of the ARRL, or discourage membership in the organization.
2. **FINANCIAL RESPONSIBILITY:** Each Board member serves as a fiduciary of the ARRL's resources and is accountable to the members for prudent management of the ARRL's financial and business affairs.

a. A Board member should read and understand the ARRL's financial reports, committee reports and other documents pertaining to the operations of the ARRL.

b. A Board member should actively engage in decisions relating to the allocation of resources and monitoring of financial performance.

3. **CONFLICTS OF INTEREST:** Each Board member must act in good faith and in the best interests of the ARRL, above any personal interest **or the interests of any particular constituency.**

Each Board member is subject to, must be familiar with, and must follow the ARRL's Conflict of Interest and Ethics policies as they may be amended from time to time. It is not a conflict of interest for Board members to be advocates for the collective interests of members in the Division they represent. Board members should, however, be open to the views and needs of all areas of interest in Amateur Radio, and should act and vote based on the overall good of the ARRL, without partisanship.

4. **BOARD COMMITMENTS:** Each Board member must devote the time and resources reasonably necessary to fulfilling his/her commitments to Board activities.

a. A Board member should demonstrate due diligence in preparation for and attendance at Board meetings, committee meetings and other activities on behalf of the ARRL.

b. **A Board member should strive to be informed about the needs and opinions of the ARRL membership,** and should ask any questions necessary to be fully informed about the issues being addressed by the Board, before making decisions.

c. A Board member should give open and fair consideration to diverse and opposing viewpoints.

d. A Board member should exercise independent judgment, and should not hesitate to express and discuss dissenting opinions in a candid, but appropriate and courteous manner during Board deliberations, such being the best way to develop sound policy.

5. **RELATIONS AMONG BOARD MEMBERS:** Each Board member must foster an environment of respect, cooperation and collegiality. A Board member must not unduly disrupt the Board or detract from its operating in an efficient and effective manner.

a. A Board member should treat other Board members with courtesy and allow other members of the Board to candidly express their views.

b. A Board member should respect the differing opinions of others. Board members may disagree on issues, but disagreements should be directed at the issue; personal, *ad hominem* attacks are not acceptable.

c. A Board member should never undermine, sabotage or falsely impugn another Board member or the organization as a whole. However, this is not intended to preclude a Board member, acting in good faith, from reporting a suspected violation of this Policy or the Conflict of Interest Policy set forth in the ARRL By-Laws to the ARRL's Ethics and Elections Committee.

6. **CONFIDENTIALITY:** Transparency in governance and input from ARRL membership are both important considerations for the Board. Board members must, however, balance those considerations against their legal and fiduciary obligations to maintain the confidentiality of sensitive or proprietary information obtained as a result of Board service. In addition, maintaining the confidentiality of the Board's deliberations (especially but not limited to those discussions held in executive sessions or committees of the whole) is essential to having full and frank discussions necessary for effective policymaking. Therefore, subject to the standards of this Code of Conduct relative to Public Statements, Support of Board Decisions and the exceptions noted below, a

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Board member may and should solicit input from ARRL members on policy matters being considered by the Board, and may informally share with ARRL members the final actions taken and the issues considered by the Board in reaching its decisions.

However:

- a. A Board member may not disclose any matters addressed in executive session to anyone not entitled to participate therein.
 - b. A Board member may not disclose confidential or proprietary information, including draft documents or briefing materials identified as confidential, which were obtained as a result of ARRL Board service, to anyone outside the Board or authorized ARRL staff.
 - c. A Board member may not, in disclosing anything about the Board's deliberations, discuss or disclose the votes of the Board or of individual Board members (including his/ her own) unless the Board has previously made the votes public. Nor shall any Board member falsely characterize the positions, policies or decisions of the Board or the points of view taken by any member of the Board with respect to them.
 - d. A Board member may not disclose anything about Board actions or deliberations if the Board has determined to defer announcement of that action or to control the dissemination of that information.
7. **PUBLIC STATEMENTS:** A Board member may not act or give the appearance of acting on behalf of the ARRL organizationally, unless specifically empowered to do so under the Bylaws or specifically authorized by the Board or by the President.
- a. A Board member who, by virtue of Board assignments or duties, or at events within the Division is asked to or is expected to communicate about ARRL affairs through an official ARRL communication channel or forum is authorized to speak in that capacity and for that purpose.
 - b. Except where so empowered or authorized, a Board member speaking publicly to ARRL membership or in any other public forum must ensure that his/her statements are clearly identified as personal opinions and that he/she is not speaking on behalf of the ARRL in any official capacity or expressing the views or positions of the ARRL or any other ARRL Board Member. Even with such a disclaimer, a Board member may not make any adverse or false characterization of Board decisions that might bring the organization into disrepute.
8. **SUPPORT OF BOARD DECISIONS:** A Board member must accept and publicly support Board decisions.
- a. A Board member, as a leader in Amateur Radio, is encouraged to be an ambassador and an advocate for ARRL and, subject to the Confidentiality Standard of this Code of Conduct, to publicly promote the activities and actions of the organization with the ARRL membership. In doing so, a Board member must act at all times faithfully to the intent of the Board as expressed in its official statements, and should not reinterpret or re-characterize the Board's actions to reflect his/her own view or the views of any other Board Member.
 - b. While having the right and responsibility to exercise independent judgment and to express dissenting opinions during Board deliberations, a Board member also has the obligation outside the Boardroom to respect and support final decisions of the Board, even when the Board member dissented from the majority view.
 - c. A Board member who does not support a Board decision may express his/her opposition within the Board in an appropriate manner.
 - d. A Board member must not take actions publicly or with respect to the ARRL membership that have the purpose or effect of undermining or discrediting the decisions or actions of the Board.
 - e. If a Board member is ultimately unable to accept a Board decision and is unable to influence a change, the Board member should consider voluntarily resigning his/her position on the Board.

f. A Board member may not publicly oppose a Board action prior to the effective date of his or her resignation from the Board.

9. RELATIONS WITH STAFF: A Board member must appreciate the strategic and policy role of the Board, and respect the separate and distinct roles of the CEO and ARRL staff to responsibly manage and administer ARRL's day-to-day activities. It is the role of the Officers and Staff, not the Directors, to implement Board policy.

a. A Board Member should refrain from intruding on administrative issues that are the responsibility of Officers or management, except to monitor results and prohibit actions that conflict with Board policy. If a Board Member believes that staff is acting in a manner that is inconsistent with ARRL policies, the Board Member should raise the concern with the appropriate officers or with the Board.

b. A Board member should treat employees of the organization courteously and professionally. Board members should never issue instructions to or obtain work commitments from staff directly. That is the proper role of the CEO.

c. ARRL staff has the right to work in a professional atmosphere that prohibits discriminatory practices, including harassment. All relations between Board members and staff must be professional and free of bias, prejudice and harassment. Accordingly, Board policy forbids any unwelcome conduct that is based on an individual's race, color, religion, sex, age, creed, national origin, ancestry, disability, sexual orientation, or any other protected characteristic as established by law. ARRL will not tolerate any form of harassment or discrimination that violates this policy.

d. Unwanted personal contact with, and unwelcome advances toward members of the staff are never acceptable.

e. Board members should never conduct independent investigations and they should never interfere in day to day operations of the ARRL.

f. Board members should never engage in harassing conduct, such as epithets, slurs or negative stereotyping; threatening, intimidating or hostile acts; denigrating jokes or display or circulation in the workplace of written or graphic material that denigrates or shows hostility or aversion toward an individual or group (including through e-mail).

g. Inappropriate bullying, either direct or indirect, whether verbal, physical, or otherwise, conducted against others in the course of Board service, will be handled with the same level of gravity as other harassment.

COMPLIANCE WITH THIS POLICY

1. Board members are expected to use good faith efforts to comply with this Policy. A Board member who is unsure about the interpretation of a particular application of these Standards of Conduct should consult with the President of the ARRL or the Chair of the Ethics and Elections Committee. If a Board member is unable or unwilling to carry out the material responsibilities of his/her position or to conduct him/herself in a manner consistent with the Policy, the Board member should consider voluntarily resigning his/her position on the Board.

2. A Board member or members who wish to bring a complaint of violation of this Policy must do so in writing, addressed to the President of the ARRL or the Chair of the Ethics and Elections Committee. The Ethics and Elections Committee (excluding any member who is personally involved in the complaint) will then, with input as needed from the General Counsel and any complainant(s), determine a course of action for handling the complaint in accordance with Article XIII of the Bylaws.

3. Any complaint made under this Policy, any and all proceedings of the Ethics and Elections Committee involved in investigating and resolving it, and any outcome of such proceedings – other than a public reprimand, suspension, expulsion or other outcome that requires disclosure by ARRL – shall be considered Board confidential unless the subject of the complaint requests disclosure of those proceedings.

4. If the Ethics and Elections Committee determines that a Board member has violated this Policy, corrective measures may be required of the offending Board member and/or discipline may be imposed. Corrective measures or discipline should be appropriate to the facts and circumstances of the violation and, subject to the Bylaws and applicable law, may include the following:

- a. Admonishment or reprimand, whether privately by the Board or publicly by the ARRL.**
- b. Requirement for remedial action to be taken.**
- c. Removal from certain Board-related assignments and/or loss of certain Board duties or privileges.**
- d. Actions initiated to seek removal from the Board or as an officer.**

Appeals from the decisions of the Ethics and Elections Committee shall be conducted pursuant to the ARRL Bylaws.

*****End of Standards of Conduct*****

Microwavers Report Successful US-Canada Contacts on 78 GHz

11/15/2017 Microwave enthusiast Mike Seguin, N1JEZ, has reported several successful 78-GHz contacts between the US and Canada on November 9.

“We believe these contacts may be the first W/VE on 78 GHz,” Seguin said in a post to several VHF/UHF/microwave-oriented reflectors. “We hope to extend distances before winter sets in here in the Northeast and mountaintop access is limited.”

On the Canadian side were Rene Barbeau, VE2UG, and Ray Perrin, VE3FN. On the US side were Henry Ingwersen, KT1J, and Seguin. The first contacts were between FN35ja and FN34jx — a distance of 5 kilometers (3.1 miles), “primarily to tests systems,” Seguin said. “Contacts were easily made in SSB with huge signals on both ends.”

Next, N1JEZ and KT1J moved to FN34lt — extending the distance to 27 kilometers (16.7 miles), and again easily made contact with the Canadian crew. — Thanks to Mike Seguin, N1JEZ



IARU Participation in ITU-Radiocommunication Consultations Called “Mutually Beneficial”

11/17/2017

International Amateur Radio Union (IARU) President Tim Ellam, VE6SH/G4HUA, has praised the value of the IARU’s participation over the years in International Telecommunication Union (ITU) International Radio Consultative Committee (CCIR) and ITU Radiocommunication Sector (ITU-R) study groups. CCIR was the forerunner to ITU-R. In an article, “The International Amateur Radio Union and CCIR/ITU–R” in the latest issue of ITU News Magazine (see page 55), Ellam said the IARU has been a “regular contributor” to the CCIR and ITU-R study groups and working parties on behalf of the world’s Amateur Radio community. This year marks the 90th anniversary of CCIR/ITU-R study groups; the IARU was first admitted to the work of CCIR in 1932.



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“The relationship is mutually beneficial,” Ellam wrote. “The Amateur and Amateur-Satellite services offer...private citizens...the opportunity to intercommunicate and experiment with radio transmission to increase their personal knowledge and skills. Radio amateurs [provide] communications at no cost with their own equipment in the event of natural disasters. They share what they learn with one another and with the wider telecommunications community, in part through ITU-R Recommendations and Reports.”

ITU-R Study Group 5 and Working Party 5A (WP-5A) are home to both the Amateur and the Amateur-Satellite services. ITU-R Study Groups met this past week in the run-up to World Radiocommunication Conference 2019 (WRC-19). Working Group 5A1, chaired by Dale Hughes VK1DSH, is responsible for WRC-19 Agenda Item 1.1, which is looking into a 50-54-MHz band allocation in Region 1, harmonized with the allocations in Regions 2 and 3.

ITU-R Recommendation M.1732, “Characteristics of systems operating in the Amateur and Amateur-Satellite services for use in sharing studies,” was developed by and updated in WP-5A. “The IARU also participates, as appropriate, in other Working Parties of Study Group 5,” Ellam explained.

ITU-R also maintains the standard for International Morse code characters and operational provisions, Ellam pointed out. He noted that while radio amateurs experiment with advanced digital coding and signal processing techniques, they are also the world’s largest group of regular International Morse code users.

Ellam said unwanted emissions that lead to interference — sometimes called spectrum pollution — are of growing concern to radio amateurs. “The radio spectrum is an irreplaceable natural resource,” he said. “Unintended and unnecessary radio frequency emissions from poorly maintained electric power lines and poorly designed electronic devices and systems can cause interference that degrades the capacity of the radio spectrum to support communication.”

Ellam said that as new technologies such as wireless power transmission (WPT) are developed, it’s essential that the highest possible priority be given to developing and implementing standards to prevent radio spectrum pollution.

Ellam said an increasing number of short-mission, non-geostationary satellites are being proposed “for operation in the limited amateur-satellite allocations,” inconsistent with the objectives of the Amateur-Satellite Service. He said the IARU appreciates efforts within ITU-R working parties “to identify more suitable spectrum for telemetry, tracking, and command of these satellites” at WRC-19.

“The IARU congratulates the ITU-R Study Groups for continuing to build on the magnificent record of the CCIR in furthering the advancement of radiocommunication,” Ellam concluded.

Ellam is an invited panelist at the 90th anniversary celebration of the CCIR/ITU-R Study Groups on November 21 in Geneva.

Announcing: The ARRL International Grid Chase!11/09/2017

A new and exciting operating event will kick off on January 1, 2018, at 0000 UTC (New Year’s Eve in US time zones), when the ARRL International Grid Chase gets under way. The year-long event hopes to build on the success of the highly successful 2016 National Parks on the Air (NPOTA). The objective is to work stations on any band (except 60 meters) in as many different Maidenhead grid squares as possible, and then upload your log data to ARRL’s Logbook of The World (LoTW). Registration is free, and it costs nothing to use LoTW. Many hams are familiar with grid squares from the VHF/UHF and satellite realms, and everyone lives in one. ARRL’s VUCC is based on grid squares, and some contests on HF, as well as on VHF and UHF, also use them as a scoring factor.



John Morris, G4ANB, came up with the locator system, which the VHF Working Group adopted in 1980 at a meeting in Maidenhead, England — thus the term “Maidenhead grid square.” The system divides up the entire globe into 324 fields, each containing 100 grid squares 1° latitude by 2° longitude in size. With 32,400 potential grid squares, it’s not likely that anyone will run out of challenges, even though some grid squares are surrounded entirely by water, are in areas that are uninhabited, or are difficult to access.

If you don’t know your grid square, David Levine, K2DSL, has an online calculator. Just enter a postal address, ZIP code or a call sign, and his site will tell you the grid square for that location. For example, enter “W1AW” and the site will return “FN31pr.” For the purposes of the ARRL International Grid Chase, though, just the two initial letters and the two numbers that follow (e.g., FN31) are all you need to know.

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Once you get active in the chase and start uploading your log data, each new grid square contact confirmed through LoTW will count toward your monthly total. Getting started is simple: Turn on the radio and call CQ or “CQ Grid Chase,” or listen for others doing the same. Make the contact, exchange grid squares, log it, and move on to another. At the end of each month, your totals on the Grid Chase Leader Board will reset to zero, although the system retains all monthly data to determine top finishers in various categories at the end of the year.

Any contact you make in 2018 can count for your Chase score; it doesn't have to involve an exchange of grid squares. As long as the other operators participate in LoTW, you'll get credit automatically when they upload their logs. This means that contest contacts will also count, as will contacts with special event stations, or other on-air activity that uses LoTW to confirm contacts.

Some radio amateurs live in sparsely populated grid squares, and if you're one of those, you could find yourself handling a pileup! Expeditions to hard-to-reach or rare grid squares will undoubtedly evolve. You also can travel to one of those grid squares yourself. Some vehicle or hand-held GPS units can be set to display when you are in a particular grid square. Apps are available for smartphones or tablets, such as Ham Square for iOS devices or HamGPS for Android devices.

There are no restrictions on modes or bands, as long as they are legal. Satellite contacts are valid for the Chase. The event is open to all radio amateurs.

Awards

As all contacts are uploaded to LoTW, participants may use their contacts toward other ARRL awards, in addition to the overall monthly and annual Grid Chase recognitions. These other ARRL awards include the grid-based VHF-UHF Century Club (VUCC) and Fred Fish Memorial Award, as well as Worked All States (WAS), WAS Triple Play, DX Century Club (DXCC), and Worked All Continents (WAC).

Complete details of the ARRL International Grid Chase will appear in the December 2017 issue of QST. The digital edition is available on Friday, November 10.

For more information, contact the ARRL Contest Branch.

RadFxSat (Fox-1B) Launched Successfully, Designated AO-91

11/18/2017 The latest CubeSat in the Fox series — RadFxSat (Fox-1B) — launched today (November 18) from Vandenberg Air Force Base in California. The Delta II vehicle lifted off at 0948 UTC.

“Following a picture-perfect launch, RadFxSat was deployed at 1109 UTC,” AMSAT reported. “Then the wait began. At 1212 UTC, the AMSAT Engineering team, watching ZR6AIC's WebSDR waterfall, saw the characteristic ‘Fox Tail’ of the Fox-1 series FM transmitter, confirming that the satellite was alive and transmitting over South Africa. Shortly after 1234 UTC, the first telemetry was received and uploaded to AMSAT servers by Maurizio Balducci, IV3RYQ, in Italy. Initial telemetry confirmed that the satellite was healthy.”

In the wake of the successful launch, deployment, and reception, OSCAR Number Administrator Bill Tynan, W3XO, designated the new satellite as AMSAT-OSCAR 91 (AO-91).

AMSAT Engineering reminds stations that the satellite will not be available for general use until the on-orbit checkouts are complete. AMSAT asks listeners to submit telemetry from RadFxSat (Fox-1B) to assist the Engineering team in completing the commissioning process. Experiment telemetry is downlinked via the DUV sub-audible telemetry stream, which can be decoded using FoxTelem software.

A 1U CubeSat, RadFxSat (Fox-1B) is a joint mission of AMSAT and the Institute for Space and Defense Electronics (ISDE) at Vanderbilt University. The Vanderbilt package is intended to measure the effects of radiation on electronic components, including the demonstration of an on-orbit platform for space qualification of components, as well as to validate and improve computer models for predicting radiation tolerance of semiconductors.



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AMSAT constructed the rest of the satellite, including the spaceframe, on-board computer, and power system. The Amateur Radio package is similar to that currently on orbit on AO-85, with an uplink on 435.250 MHz (67.0 Hz CTCSS) and a downlink on 145.960 MHz.

RadFxCubeSat (Fox-1B) was a secondary payload on the United Launch Alliance (ULA) Delta II rocket carrying the Joint Polar Satellite System-1 (JPSS-1) mission into space. RadFxCubeSat (Fox-1B) is one of four CubeSats making up this NASA Educational Launch of Nanosatellites (ELaNa) XIV mission, riding as secondary payloads aboard the JPSS-1 mission.

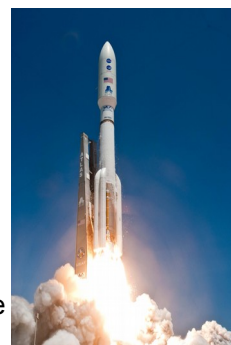
In keeping with long-held ULA tradition, the Delta II launcher paid tribute to deceased employees. Emblazoned on the side of the booster were the names of the late Eric G. Lemmon, WB6FLY, and George Dean. — Thanks to AMSAT News Service via Paul Stoetzer, N8HM, Bill Tynan, W3XO, and Chuck Kimball, N0NHJ

(Editor's Note – WB6FLY was an active member of Satellite Amateur Radio Club and a past North County EC in Santa Barbara)

AO-91 Commissioned, Declared Open for Amateur Use!

11/23/2017 AMSAT-NA's latest Amateur Radio CubeSat, RadFxCubeSat (Fox-1B), now known as AO-91, has been opened for general use. AMSAT Engineering officially announced that AO-91 was ready for use at 0650 UTC on Thanksgiving Day, November 23. AMSAT VP of Engineering, Jerry Buxton, N0JY, turned over operation to Mark Hammond, N8MH, and AMSAT Operations during a contact on the AO-91 repeater during the pass over the Eastern US, AMSAT said in a bulletin.

The latest CubeSat in the Fox series was launched on November 18 from Vandenberg Air Force Base in California. Telemetry is downlinked via the DUV sub-audible telemetry stream, which can be decoded using FoxTelem software. A 1U CubeSat, RadFxCubeSat (Fox-1B) is a joint mission of AMSAT and the Institute for Space and Defense Electronics (ISDE) at Vanderbilt University. AMSAT constructed the rest of the satellite, including the spaceframe, on-board computer, and power system. The Amateur Radio package is similar to that on AO-85, with an uplink on 435.250 MHz (67.0 Hz CTCSS) and a downlink on 145.960 MHz. — Thanks to AMSAT News Service



Year-Long NASA On The Air Event Kicks off on December 11

11/22/2017 The Amateur Radio clubs at National Aeronautics and Space Administration (NASA) centers around the US have invited the Amateur Radio community to join the NASA On The Air (NOTA) special event. NOTA gets under way in December 2017 and continues through December 2018. In addition to being the agency's 60th anniversary, 2018 will mark 50 years since NASA orbited the first human around the moon, and 20 years since the first elements of the International Space Station (ISS) were launched into low-Earth orbit.

Starting on Monday, December 11, 2017 (UTC), Amateur Radio club stations at various NASA centers and facilities will be on the air with special event operations to celebrate these monumental achievements, as well as current milestones. Some clubs will offer commemorative QSL cards, and a special certificate will be available indicating the number of NASA club stations worked on various bands and modes.

"We plan to have a web-based system for you to check your points total and download a printable certificate at the end of the event in December 2018," the NASA announcement said. "Points will be awarded for each center worked on each band and mode (phone, CW, digital, and 'space' modes — satellites, meteor scatter, EME, ISS APRS)." That would, of course, include contacts with any of the Amateur Radio stations on the ISS.

Key anniversaries during NOTA include the 45th anniversary of Apollo 17 on December 11, 2017, which kicks off the event; NASA's founding on July 29, 1958; the 20th anniversary of the ISS first element launch on November 20, 1998; the 20th anniversary of the ISS Node 1 Launch on December 4, 1998, and the 50th anniversary of Apollo 8 — launched on December 21, 1968, and returned on December 27 — marking the end of the event.

Ham radio clubs at various NASA facilities will sponsor their own special events to commemorate and celebrate specific events.

K6MEP Keyer December 2017

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<https://groups.yahoo.com/neo/groups/K6MEP/info>



“We hope to be on the air for casual contacts and contests as well. All contacts with NASA club stations will count toward your total,” the announcement said. “QSL cards can be requested from each club you work and details will be on the individual QRZ.com profile page for each club call sign.”

IARU Cites Progress Toward 50-MHz Region 1 Allocation

11/24/2017

The International Amateur Radio Union (IARU) says “significant progress” was made during World Radiocommunication Conference 2019 (WRC-19) preparations that took place earlier this month at International Telecommunication Union (ITU) Headquarters in Geneva. But the IARU cautioned that a lot remains to be done before the “reservations and concerns of regulators and spectrum users are adequately satisfied.”

The team representing IARU in Working Party 5A (WP 5A) of ITU Radiocommunication Sector (ITU-R) consisted of amateurs from Australia, Brazil, Canada, Germany, Ireland, Japan, Norway, the Netherlands, United Kingdom, and the US. For IARU, the main focus was on the WRC-19 agenda item that will consider an Amateur Radio allocation in Region 1 from 50 to 54 MHz that is similar to the one available in regions 2 and 3. The current, mainly secondary, allocation of 50 to 52 MHz in most European countries is a regional agreement.

Delegates to the meeting considered input documents from IARU, France, the Russian Federation, and Switzerland were considered. A rough consensus was achieved on the text that will provide the technical basis for discussions concerning the access to 50-54 MHz for the Amateur Service in Region 1. Additionally, some administrations accepted an IARU-proposed method to calculate the spectrum needs of the Amateur Service at 50 to 54 MHz, but more information to justify the requested bandwidth will be required, the IARU said.

For sharing studies, particularly in relation to the Land Mobile Service and Radiolocation applications in the 50-54 MHz allocation, a mutually agreed-upon propagation model remains to be determined. No major objections remain to sharing with analog television broadcasting in the 50-54-MHz band in Region 1, provided that a time-limited field strength limit is applied.

Other key issues affecting the Amateur Service remain to be addressed prior to WRC-19. These include securing protection for Amateur Service primary allocations at 24 GHz and 47 GHz and minimizing possible interference arising from Wireless Power Transmission (WPT) for the charging of electric vehicles.

Following the meeting of Working Party 5A and other meetings related to the work of ITU-R Study Group 5, the ITU hosted the first of three planned Inter-Regional Workshops on WRC-19 Preparation. IARU Vice President Ole Garpestad, LA2RR, who also attended the WP 5A meeting, represented the IARU at the workshop to hear reports on progress by the regional telecommunication organizations. -- Thanks to the IARU

