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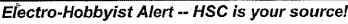
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Disasters and Implications to Amateur Radio Part 1

by Rich Freitas KF6SZA, Sonoma County ARES District Emergency Coordinator

The following is taken from a presentation made at Communications Academy 2006 by Tom Cox, VE6TOX, combined with my own editorializing.

Disasters are not simply big emergencies. They are unique and distinct. In trying to learn how to prepare for disasters, we make the mistake of looking at the disaster in retrospect. This leads to the same mistakes being made almost every time and the same "lessons learned" being written for almost every disaster report. Emergencies are what the emergency services train for and respond to every day. A disaster is something that they rarely train for and may only happen once or twice in a lifetime.

To show the unique character of a disaster, try throwing more police, fire or ambulance personnel and see if that would make any difference. If not, you are looking at a disaster. Fast developing local disasters are caused by explosions and tornadoes; slow developing local disasters are caused by sink holes and water main breaks. Fast developing regional disasters are caused by earthquakes and tsunamis; slow developing regional disasters are caused by hurricanes, wildfires and pandemics.

While the characteristics below are almost invariably found with all disasters, an important caveat must be added that is possible that some of these things will not occur with any particular disaster. It is an unusual event. Society learns quickly to cope with usual events and it becomes either routine or an emergency. Disasters, by their nature, are distinct from emergencies because they do not happen all the time. They are unusual, but not unexpected. It is common knowledge that California has frequent earthquakes and Florida has hurricanes.

Communications fail. This is one of the defining characteristics that separate an emergency (communications still work) and a disaster. The problem is that there are many different ways that communications fail — many of which Amateur Radio cannot solve or is only of limited assistance. The scope or extent is uncertain and, with unusual events occurring compounded by communications failure, it is no surprise that disasters invariably result in nobody knowing the full extent of how bad things are. The worst hit areas are the last to be responded to. Areas slightly affected scream the loudest because they still have phones working or alternative forms of communications. The worst hit areas lose all forms of communications and are simply forgotten due to the noise elsewhere.

Lack of information and misinformation. Due to the widespread scope of a disaster, EVERYTHING is affected. As a result, there is a tremendous need to find out what roads are out and what roads are intact, what vital services are destroyed and which ones can easily be repaired, where the greatest number of casualties and evacuees are to be found and what buildings are intact for recovery use or have been destroyed. You basically need information on every single aspect of government and business and homes in an instant. It is also very, very easy for information to be misconstrued, rumors to be stated as facts, and honest mistakes to become absolute facts when dealing with a disaster. When massive amounts of information are required, it is easy for wrong information to slip in. Disasters are full of examples of "wrong information".

People die. While the emergency services deal with death on a daily or weekly basis, the sheer number of deaths can have a profound and traumatic effect on both responders and those affected. Emergency responders have trouble "switching gears" when faced with body parts and dozens or hundreds of casualties and the public is shocked to see bodies lying on the streets for days. Emergency services and government will be equally affected. Fire stations are destroyed by tornadoes. City halls are flooded out. 911 centers collapse. Hospitals will be among the most affected. Whether the disaster damages the building itself, the contents of the buildings are disrupted (few hospitals are earthquake-proof), or staff is unable to get to or from the building, the hospitals are the first to feel the effects. Hospitals are expensive to build and many are kept longer than the average building because they are just too expensive to replace. As a result, they can be more fragile.

Things get worse. In emergencies, the arrival of the emergency services usually results in things getting better fairly rapidly. Casualties are taken to hospitals, fires are put out, bad people are arrested. In disasters, the limited resources of the emergency services and the fact that they have been affected as well usually results in a continuation of things deteriorating. When the fire truck is crushed and the water mains are broken, the arrival of the firefighters has no effect on the disaster and the situation continues to deteriorate. Disasters never stay exactly the same; this means your response environment will constantly be changing and the situation you were in an hour ago may be completely different now. Things will also last much, much, much longer than you expect. There is a tendency for everyone to think that after an earthquake or a hurricane, or any disaster, things will be cleaned up in a week or two. Months later, as society continues to struggle with rebuilding, they realize that the recovery will be years in the making.

Next month, in Part II we'll take a look at the characteristics of disaster response and, finally, Part III will explore the amateur radio response.

The ARES net meets on Mondays at 7:30 pm on 147.315 MHz, + offset, 88.5 PL. All members and guests are invited to check-in.

Sonoma County Radio Amateurs, Inc. Board of Directors Meeting, March 14, 2007 Minutes

Minutes for the Board of Directors Meeting will appear in next months newsletter

Volunteers Needed

Craig Gaevert KG6THE, SCRA Public Service Wrangler

Public Service has added another event to the already thickening calendar. April 22 sees the return of the MS Walk. We will need about 5-6 folks to staff this event. This particular event would be a great opportunity for folks interested in getting a little net control time as the event is low-key and well suited for low-stress training. The event will be centered on Julliard Park and occur in the local area - ideal for HTs. Still on the calendar is the Wine Country Century for May 5 and the Human Race on May 12. Now is the time to volunteer so that I don't have to make any last-minute pleas. I am a little concerned as I have only heard from about 3 folks in regards to any of these events. If we're going to continue to be a part of public service, I'm going to need more volunteers to make these events happen.

In the future we will have the Terrible Two on June 16 (does not conflict with Field Day) and Waves to Wine on September 29-30. Join your fellow hams in making these events fun.

Craig Gaevert 707.478.9387 or k6xlt@sonic.net.

Ham Radio Readiness Provides Safety Margin in New Mexico Tornado Outbreak

ARRL - Mar 27, 2007

Dozens of Amateur Radio volunteers in New Mexico did what they do best Friday, March, 23, when nasty weather threatening eastern New Mexico eventually spawned 13 tornadoes, from Tatum to Logan. A day before the storms, SKYWARN Coordinator and National Weather Service (NWS) meteorologist Keith Hayes, KC5KH, at the Albuquerque NWS office (WX5ABQ) warned New Mexico's Amateur Radio Emergency Service (ARES) district emergency coordinators and county emergency managers of the potential for severe weather. ARES teams and SKYWARN weather spotters consequently were already in the field and ready for action when the string of tornadoes struck. The early warning, aided by trained spotters' accurate minute-by-minute reports to the NWS and local authorities, provided an additional margin of safety for residents.

Go to ARRL website for full story

Sonoma County Radio Amateurs, Inc. Membership Meeting, March 7, 2007 Minutes

- 1. Call to order: The meeting was called to order by President Dave Harrison at 7:05 PM.
- Introductions: Officers and Board Members were Present David Harrison, W6IBC; Brian Torr, N6IIY; Bob Arthur, KG6ZDN; Pat Coyle, KG6JSL; John Felton, KE5RI. Guests present were Ken, N6VWB, and Jack, a new ham with no call sign assigned yet.
- 3. Program: Tracy, WB6TMY gave a fascinating slide show and talk on the history of station KPH, the premier west coast communication station established by Marconi in 1911.

 Originally located in San Francisco's Palace Hotel, KPH moved to a transmitting station in Bolinas in 1914 and a receiving site at Marshall, and later to Pt Reyes. This station handled the communications between the U.S and Japan in arranging for the surrender of Japan in WWII. Tracy spent his career as an operator and transmitter technician at the station and of course was very knowledgeable regarding its history and operation. The stations still exist and are preserved as a part of the Pt Reyes National Seashore. A club trip to the sites is planned for later in the year.

4. Business Meeting: The minutes of the previous meeting were approved as published in Short Skip.

a. Secretary's Report: Pat, KG6JSL was acting secretary for Fred, KQ6OB who is away.
b. Treasurer's Report: Brian, N6IIY, reported on the financial

- status and balances and that the audit was about ready.
 c. VE Report: Brian, N6IIY reported that the next VE session was scheduled for March 24, 2007, at the Blood Bank of the Redwoods at 9:00 AM. Members, particularly volunteer examiners (VEs), were invited to attend and assist.
 d. Repeater Committee: John, KE5RI reported that he is arranging for the purchase of an amplifier and power supply. There was a brief discussion relating to the "double beep" phenomenon
- occasionally heard during daylight on the 2 meter repeater.
 e. Public Service: Craig, K6XLT reported on upcoming public service events being the Wine Country Century on Mary 5, The Human Race on May 12, and the Terrible Two on June 16.
 Volunteers were solicited. Craig also reported on club assistance with the Amgen Tour de California.

f. ARES: Rich, KF6SZA reported on an upcoming training session on March 26 at 7:00 PM and the Santa Rosa Safety Fair on April 14. He also advised that participation in Public Service events were good training for net operations. Rich also presented a short news clip of ham radio emergency services

relating to Hurricane Katrina.

g. Mentoring Committee: Brian N6IIY reported that he is compiling a list to match "Elmers" with members requesting instruction and assistance. All members were urged to volunteer their skills for mentoring.

volunteer their skills for mentoring.

h. Comm Van: Dave reported that the Comm Van is for sale and we may undertake further advertising.

we may undertake further advertising.

i. Legal Status: Pat, KG6JSL reported that we are waiting for documents from the Dept. of Corporations to complete the

change to charitable status, at which time the Board will present to the Club the revisions necessary for the change. j. Field Day: Dave, W6IBC reported that volunteers are needed and we are continuing the search for a site.

Announcements: Dave, W6IBC announced that the July meeting will be changed to Thursday, July 5, 2007. He also announced that the next Board meeting will be March 14, 2007, at 6:30 PM at Narsi's in Coddingtown.

Bob, WD6DPE moved the adjourn the meeting at 8:50 PM. John, KE5RI seconded the motion which carried and the meeting was adjourned.

7

Can You Be an "Elmer"? Do You Need an "Elmer"?

by Brian Torr N6IIY

As you may have heard, SCRA is forming a Mentoring Committee. I have agreed to be the chairman of this committee. In ham radio, the colloquial term for a mentor is "Elmer", presumably the name of an experienced ham that helped one or more new hams to learn the ins and outs of ham radio.

As the chairman of this committee, my first task is to gather together a list of those members who would be willing to fill the role of an Elmer. To be an Elmer, you don't have to be an expert in all aspects of ham radio. Even if your interests are focused in only one or two aspects of ham radio, you probably have valuable knowledge to pass along to a new ham.

Once I have gathered a list of Elmers, including their contact information and aspects in which they can act as an Elmer, the list will be used to help match requests from new hams (or old hams wanting to learn something new) with an appropriate Elmer. After receiving a request for an Elmer, I will first check the availability of a potential Elmer before putting the new ham in contact with the Elmer.

If you are looking for an Elmer, please e-mail me the following information:

Name:

Callsign:

Telephone No: e-mail address:

Area in which you need assistance (i.e. station setup, DX, QRP, repeater operation, antennas, etc):

Best time to call:

If you could be an Elmer, please e-mail me the following information:

Name:

Callsign:

Telephone No:

e-mail address:

Area in which you could offer assistance (i.e. station setup, DX, QRP, repeater operation, antennas, etc):

Best time to call:

If you would like more details about this program, feel free to e-mail me or give me a telephone call.

73, Brian Torr, N6IIY

April Meeting: Special Events Spring Tuneup

"Don't miss the April SCRA meeting, Brian, N611Y, will be offering a multifaceted program covering net control operations, amateur radio operations at public service events, and APRS, all in a single evening. See you at the meeting on April 4th."

Dave, W6IBC

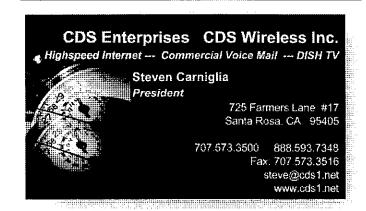


Marconi In Our Mist

Our member, Tracy, WB6TMY provided a vivid account of the premier West Coast radiomarine telegraph station KPH at our March 2007 meeting. Tracy, a 21 year veteran employee of RCA at KPH, described the transmitting facilities at the Bolinas site, and the receiving and control facilities at the Pt. Reves site, some 17 miles to the north. Tracy explained that the receiving site was separated from the transmitters, so that weak signals from sea could be copied even while some of the transmitters were operating. A complex telephone line based system enabled the control operators at the receiving site to select and control the array of transmitters and antennas. Transmitting and receiving antenna arrays and tuners were also described. KPH ended its telegraphic operations on July 12th, 1999. The facilities have become a museum taken over by the Pt Reves National Seashore, and maintained by the Maritime Radio Historical Society, www.radiomarine.org. Additional information about KPH can be found on Tracy's website: www.radions.net.

Thanks again to Tracy for a very interesting program presentation.

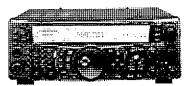
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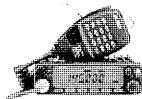
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SCRA Web Site	http://www.sonomacountyradioamateurs.com

Tuesday Night Net

Remember to check in to the SCRA net each **Tuesday** evening on the 147.315+(PL 88.5) repeater at 7:00 PM. Announcements are made of upcoming SCRA and other amateur radio activities in the area and what is listed in Hank's Swap Shop. You will also hear the weekly *Amateur Radio Newsline* broadcast.

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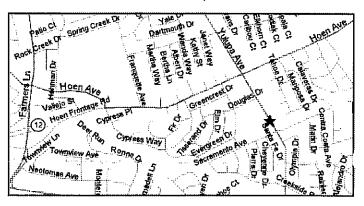


SCRA Club Meetings

The club normally meets the first Wednesday of each month. Exceptions are holidays or other big events.

Next meeting is Wednesday, April 4th at 7:00 PM at:

Luther Burbank Art & Garden Center 2050 Yulupa Avenue Santa Rosa, CA



All are welcome!

Please join us at our next meeting. Anyone interested in Amateur Radio may be eligible for membership. A membership application is included in this newsletter.

For more information, contact any SCRA officer, director or member.

Hungry before the meeting?

Join us for dinner! We meet at Coco's restaurant, 1501 Farmers Lane (corner of Farmers & Hwy 12), Santa Rosa. People start showing up at 5:30 PM. No RSVP is required.

See you there every month except December.

If you are not getting the ARRL San Francisco Section news by e-mail and you are an ARRL member, be sure to subscribe under your Members Only information or go to these websites:

> http://www.arrl.org/sections/?sect=SF http://www.pdarrl.org/sfsec/

Contest Corner

by Kevin Alt K6BSG

Hello contesters. Lots of small contests this month. These are great for honing your skills without the pressure of the big ones. Also one of the largest QRP contests of the year happens next weekend. Happy DX'ing!

- 31 Mar-1 Apr- QCWA Spring QSO Party CW/Digital/SSB, 160-10 meters. See: www.qcwa.org/qso-party.htm.
- 3-5 Apr DX YL to North American YL Contest CW, 160-10 meters. See: www.yirl.org.
- 7-8 Apr SP DX Contest CW/SSB, 160-10 meters. See: www.contest.spdxc.org.pl/en/index.php.
- 7-8 Apr Missouri QSO Party · CW/SSB, 160-10 meters. See: www.qsl.net/w0ma.
- 7-8 Apr QRP ARCI Spring QSO Party CW, 160-10 meters. See: www.arparci.org.
- 7-8 Apr EA RTTY Contest 80-10 meters.

SHORT SKIP

- See: www.rttycontesting.com/rules/earttyrules2007.pdf
- 7-15 Apr Lighthouse Spring Lites QSO Party all modes, 160-10 meters. See: arlhs.com.
- 9 Apr Low Power Spring Sprint CW, 160-10 meters.
 For more information e-mail: om3kfv@zoznam.sk.
- 10-12 Apr DX YL to North American YL Contest Phone, 160-10 meters.
 See: www.ylrl.org.
- 13-15 Apr Montana QSO Party Phone/CW/Digital, 160 meters-70 cm. See: www.fvarc.org.
- 14 Apr EU Spring Sprints CW, 80-20 meters. See: www.eusprint.com.
- 14 Apr PSK31 Flavors Contest PSK31 and variants, 20 meters only.

 See: http://harvey.licht.home.sprynet.com/PSKFlavors/2007/2007RulesPost.htm.
- 14-15 Apr Georgia QSO Party CW/SSB, 80-10 meters. See: gqp.contesting.com.
- 14-15 Apr Japan International DX Contest (JIDX)-CW, 160-10 meters. See: jidx.org.

- 14-15 Apr Radio Maritime Day CW, 160-10 meters.
 See: www.radiomaritimeday.org.
- 21 Apr Holyland DX Contest CW/SSB/Digital, 160-10 meters.
 See: www.iarc.org.
 - pr TARA Skirmish Digital Prefix Contest, 160-6 meters. See: www.n2ty.org/seasons/tara_dpx_rules.html.
- 21 Apr EU Spring Sprint SSB, 80-20 meters. See: www.eusprint.com.
- 21-22 Apr YU DX Contest CW, 160-10 meters. See; yudx.net.
- 21-22 Apr Michigan QSO Party CW/SSB, 80-10 meters. See: www.miqp.org.
- 21-22 Apr Motorola QSO Party CW/SSB, 160 2 meters. See: www.qsl.net/k9mot/motqp.htm.
- 21-22 Apr Ontario QSO Party CW/Phone, 160 meters 70 cm. See: cco.ve3xd.com/oap.
- 21-22 Apr Kids Roundup Phone, 80 meters- 70 cm. See: www.ki3ds.org.
- 21-22 Apr EU EME Contest CW/SSB, 2.3 and 3.4 GHz. See: www.dubus.org.
- 21-22 Apr EA QRP Contest CW, 80-10 meters. See: www.eaqrp.com.
- 22 Apr **ES Open HF Championship** CW/SSB, 80 and 40 meters.
- See: www.erau.ee/index.php?newlang=eng.
 28-29 Apr Nebraska QSO Party CW/SSB/Digital, 160-2 meters.
- See: www.qsl.net/hdxa.
- 28-29 Apr Helvetia Contest CW/SSB/Digital, 160-10 meters.

 See: www.uska.ch/e index.htm.
- 28-29 Apr SP DX RTTY Contest 80-10 meters. See: www.pkrvg.org/zbior.html.
- 28-29 Apr Old-Old-Timers Club QSO Party CW/SSB, 80-10 meters. See: www.ootc.us/party.
- 28-29 Apr DX Colombia International Contest Phone/CW, 160-10 meters. See: www.dxcolombia.com/contest.htm.
- 29 Apr Florida QSO Party Mixed Mode/CW/SSB, 40-10 meters. See: www.floridgasoparty.org.

Sonoma	County	Radio	Amateurs,	Inc.
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SONOMA COUNTY RADIO AMATEURS, INC.

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APRIL 2007 CALENDAR OF EVENTS						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2	3	7:00 PM SCRA Meeting Luther Burbonk Art & Garden Center 2050 Yulupa Ave., Santo Rosa	5	7:30 PM Morin ARC Meeting, Alto Cluthouse, 27 Shall Rood, Mill Vollay	7 . 10:00 AM ROVARC Meeting Red Ook Victory Ship, Point Richmor Directions: www.ssredookvictory.or
8	9	10	7:00 PM REDXA Meeting Mister McSoo's Restaurant, Petaluma 6:30 PM SCRA Board of Directors Meeting (note date change)	12	13	14
15	16	7:30 PM Homilten Wirelass Association Building 549, Homilten Field, Noveto	18 7:30 PM VMARC Meeting AcClougall Hall, Sanoma Dev. Center, Glen Ellen	19	8:00 PM SFARC Meeting Veteron's Administration Medical Center, Auditorium of Bidg. 7, 42nd & Clement St., San Francisco	21
22	23	24	25	26	27	28
29	30					**************************************
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VOLUME 32 NUMBER 4

APRIL 2007



Let Your Voice Be Heard

by Dave Harrison, W6IBC SCRA President

An appropriate anthem! (Did you ever notice that the dictionary lists "anthem" very close to "antenna", and for hams, an antenna is one

vital part of being heard). This month, I'm not going to urge you to get on the air, although I hope you do so. Rather, I want to take you behind the scenes at SCRA. It takes a lot of people and effort to keep the club running. One of our important monthly projects is preparing and distributing this newsletter, Short Skip. While I think Short Skip provides an interesting variety of articles, announcements and reports, it could be further strengthened by greater participation and contributions from our members.

Those of us who are expected to write each month begin the process not long after our last effort reaches print. I begin thinking about my letter early in each month, jotting down ideas I want to share with you. I know Rich, KF6SZA puts a great deal of thought into his ARES column each month. The ideas he expresses will not only make you a better operator, they might just save your life. As I mentioned at our last meeting, "Rich's Rules to Remember" published in last month's Short Skip is in my view a ham radio classic, and a copy belongs in every ham's essential archive of common sense.

Other Short Skip regular contributors include Craig, K6XLT, who calendars and chronicles our public service efforts, and Kevin, K6BSG, who provides us with the monthly Contest Corner. And, let's not overlook our Secretary, Fred, KQ6OB, who records the minutes of the membership and board meetings each month. Brian N6IIY contributed a wonderful article last month entitled: What's in a (Club) Name".

Near the end of each month these contributions flow to

editor, Vicki, KF6ZCT, who assembles these scattered text and picture files into the attractive, elegantly laid out publication you receive. I can't thank each and every one of our print contributors and editor enough. Short Skip is one of the bedrocks of this club. Since our goal for Short Skip is to provide relevant content each month, we'd like you to contribute to its continued success.

My motive in this note is to encourage each of you to submit an article, or just a paragraph, for publication in Short Skip. Your comment should be a subject of interest to your fellow club-members. Have you had a memorable contact with another ham recently? Have you acquired a new rig or put up an interesting new antenna, or upgraded your license? How about a homebrewing project? How and why did you become a ham in the first place. Drop us a line (or paragraph) by email or snail mail, and your board will make every effort for publication in an upcoming Short Skip. Let your voice be heard, please.

Many thanks to Tracy, WB6TMY, for his excellent program regarding KPH at our March 7th Meeting. We're presently planning a visit to the KPH historical sites for Saturday, April 21st. Hope you will join us. And, thanks to all of you for supporting SCRA by renewing your memberships! We can't do this without you. We'll see you on the radio.

SCRA Program Ideas for 20076

April 4: Net Control, Public Service, (N611Y)
May 2: Antennas and Analyzers (NX6S)

June 6: Digital Modes and Field Day Final Prep July 5 (Thurs): Setting Up a Station, Field Day Debrief

August 1: Boatanchor and Homebrew Night

Sept 5: Amateur TV

Sept 5: Amoreur IV

Oct 3: Test Equipment Night: How and Why

Nov 7: D-Star and Club Election

Dec 7 (Fri): Holiday Party

Jan 2 ('08): Earth Station-Satellite Communications