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Ecoterrorists claim toppling of KRKO radio towers

By Debra Smith, Jackson Holtz and Andy Rathbun Herald Writers

SNOHOMISH – Federal agents have taken over an investigation into the destruction of two radio towers belonging to Everett radio station KRKO.

The towers were toppled and a group that practices ecoterrorism is laying claim to the act. The toppled towers looked like a squashed Erector Set sitting in the farmlands of unincorporated Snohomish. About 50 yards away, a cloth banner was on a fence surrounding the towers. On it was a message, apparently spray painted. "Wassup? Sno Cty?" the sign read. "ELF." ELF is the acronym for the Earth Liberation Front. The sign also appeared to mention by name the Skotdal family, which owns the station. KRKO General Manager Andy Skotdal was asked what he thought of the message. "Other than the fact they don't know how to spell?" he said. Skotdal said he is offering a \$25,000 reward to try to catch the people who knocked down his towers. "We'll use our airwaves to do it too," he said. About half a dozen FBI agents were on the scene this morning. Local opponents were surprised by the destruction of the towers, which

have been in use since July 2008. Two more towers, under construction, did not appear to be damaged by the vandalism.

"It has been a long legal battle and I'm upset to see this kind of violence happen here," said Lee Bennett Jr., president of Citizens to Preserve the Upper Snohomish River Valley. "This is not the way to handle it." Bennett said he also was surprised that heavy equipment alone could bring the towers down. "I'm just amazed it came down," he said. "Whether they did cutting before, I don't know." Some at the scene speculated that one tower was pulled over by an excavator, while the other was pushed down. By mid-morning, the excavator remained entangled in the wreckage of one of the towers, although investigators have yet to confirm that it was used in the vandalism. A neighbor called 911 around 3:30 a.m. to report that someone appeared to be using a bulldozer, or other heavy equipment, to knock the radio towers over, Snohomish County sheriff's spokeswoman Rebecca Hover said. The towers are in the 13400 block of Short School Road south of Snohomish. Deputies arrived to find a 349-foot tower and a 199-foot tower toppled. A police dog was used to try to track those responsible, but no suspects were caught, Hover said. The deputies "found some other evidence at the scene," she said. "That's something that only the suspect or suspects would have information about." The Web site of the North American Earth Liberation Front press office, www.elfpressoffice.org, this morning posted a story about the radio tower's toppling. "Breaking news: Earth Liberation Front Topples Two Radio Station Towers in Snohomish County, WA." the headline read. "We have every indication to believe that it is in fact a legitimate ELF action," said Jason Crawford, a spokesman for the ELF press office in Washington, D.C. Crawford said he didn't know who was

responsible, nor had he heard directly from those responsible. Still, the action had the trademarks of his group, he said. "When all other legal channels of opposition have been exhausted, concerned citizens have to take action into their own hands to protect life and the planet," Crawford said. The radio station's owner has dismissed environmental studies as junk science and been dismissive of opposition, the ELF spokesman said. Ecoterrorists have a history of operating in Snohomish County. They are blamed for the multimillion-dollar fire that destroyed the Street of Dreams development near Echo Lake. It doesn't matter if the people responsible for the vandalism were directly linked to ELF or not, said Gary Perlstein, a professor emeritus at Portland State University who has studied the domestic terrorism group. "If it goes along with their philosophy, then they will claim responsibility," Perlstein said. The action appears to be consistent with ELF's effort to curb urban sprawl, he said. Like other ELF acts, the toppling of the radio towers appears well thought out and likely was coordinated weeks in advance, Perlstein said. "These are not spontaneous acts," he said. "They're planned." While ELF typically doesn't condone violence against people, communiqués have said ELF members "wouldn't hesitate to pick up the gun," Perlstein said. That Skotland apparently was named on the sign that was left behind is a reason for concern, the professor said. "I hope the police are watching his home," he said. KRKO, a family-owned station, has been in a long battle with opponents of an addition to its existing towers east of Everett. Appeals and litigation over the towers have been going on for more than a decade. On Aug. 14, King County Superior Court Judge Douglass North upheld a February land-use decision by the Snohomish County Council approving two 199-foot AM structures to be constructed next to three existing towers that occupy the site near Short School Road. A 349-foot antenna also occupies the site. S-R Broadcasting, parent company of KRKO-AM 1380, wanted the new antennae so it can transmit a new, stronger signal at 1520 AM. Opponents of the towers filed the court appeal in March, claiming the Snohomish

County Council did not follow proper procedure when it decided in February to let S-R Broadcasting build the towers. The council overturned a hearing examiner's decision to deny a permit for the towers, based on claims that radio signals are dangerous to human health. A majority of the council thought the hearing examiner's decision was based on shaky scientific evidence. Skotland in March called the appeal "frivolous" and said the other faction had already exhausted the correct channels for dealing with the issue. Tower opponents cited a range of studies claiming that AM radio waves have negative effects on people and wildlife -- among them, increased rates of childhood leukemia and destruction of trumpeter swan habitat. People who live near the towers also had complained increasingly of radio signals coming over home phone and intercom lines since KRKO upped its broadcasting power in February. This morning, the crime scene drew out curious opponents of the towers such as Elizabeth Grant, who has lived in the valley for 12 years. "I just don't know what to think," she said. "It is hard to say who would really be responsible for this. It just goes to show people did not want this to happen in the valley." There was well-organized opposition to the project over a period of years, Grant said, but she added that it would be hard to imagine the local opponents being moved to topple the towers. Skotland earlier said he hoped the new signal would be on the air by year's end. Today's vandalism likely will just accelerate the timetable, he said. The station today transferred its radio transmission and remained on the air.

PARC OFFICERS

President	Greg Hall	WBØRJH
VP	Dave Mehlhoff	WØNWT
Secretary	Tam Gatje	AAØLY
Treasurer	Greg Bond	NØNPO

UKRAINE LOSES FREQUENCIES

The National Commission for Communications Regulation from 28.07.09 #03-2864/104, prohibited the use of Amateur radio frequency

bands that are not foreseen under the use of radio frequency resource of Ukraine (hereinafter – the Plan), including: 10100 – 10150 kHz; 14250 – 14350 kHz; 1260 – 1300 MHz; 2400 – 2450 MHz; 10.0 – 10.1 GHz; 10.15 – 10.5 GHz; 24.05 – 24.25 GHz; 119980 – 120000 GHz; 142000 – 149000 GHz; 241000 – 250000 GHz with appropriate amendments to the Plan. League radio Ukraine notified ban on the use of these radio frequencies. (A google translation)

FCC CITES FOR TV ANTENNA

On August 13th agents from the Los Angeles FCC Office investigated a complaint that something was interfering with the operation of a Verizon cellular site. The agents T-hunted the interference to Erma Fausto's residence. Further investigation revealed that the source of the interfering signal was a Philips model MANT 300 amplified television antenna installed on top of a television set in the Fausto home..Apparently the antennas internal amplifier had broken into self-oscillation on 840.356 MHz. The spur was strong enough to interfere with the input to a Verizon local cell site. And you would think that's where it would all end. Disconnect the faulty antenna and problem solved. But that's not where this story ends. On August 20th the FCC issued a Citation to Irma Fausto naming her as the responsible party. Why the FCC chose to issue a Citation rather than the usual warning letter or any letter at all is not explained. And if we may editorialize a moment, even stranger is the demand by the FCC that Ms. Fausto respond to the Citation and specify what actions have been taken to correct the violation when its likely all she would do is return it to where she bought it or throw the thing in the nearest garbage can. At least that's what we would do.

We also wonder if the FCC intends to follow up with Philips to make certain that no other MANT 300 amplified indoor antenna is causing similar problems elsewhere in the United States. One would think that Phillips is the responsible party in this scenario since it was the one who manufactured the defective amplified antenna in the first place. Lastly we must ask why so much emphasis is being put on reprimanding a citizen for something beyond her control when there are far more important matters to contend. This definitely includes cleaning up the now almost two decade old rats nest of jamming, filthy language, illegal broadcasting and other violations found on 14.275 MHz in the 20 meter band. Violations that the FCC seems to be turning a blind eye to no matter how much the ham radio community complains. (Bruce Tennant, K6PZW)

Pierre Amateur Radio Club

Meeting Minutes September 10, 2009

Attendance Log:

NØNPO	Greg Bond
KCØWVF	Jim Ward
KDØS	Jim Zahradnicek
NØPIZ	John Opp
AAØLY	Tam Gatje
WØNWT	Dave Mehlhoff
AAØCT	Gary Wallace (By Skype)
KCØQJZ	Tom Kessler (By Skype)

Vice President Dave, WØNWT, called the meeting to order at 1930 hours, CDT.

Introductions of all members present were conducted.

Minutes of the previous meeting were referenced as published by the **SECRETARY**. They were approved as published.

TREASURER Greg B. no report.

TRUSTEES – Jim, KCØWVF, reported that we need to check batteries in the storage trailer. • Items have been purchased as prizes for the upcoming hamfest.

ACTIVITIES – Jim, KCØWVF – Hamfest is coming up. • They have looked at some weather radar systems to replace what we have. The one reviewed shows only the radar information and has no background map. This will not work for our purpose. • There is a week and a half before grant funds expire for us to apply for them.

TECHNICAL – No report.

OLD BUSINESS – The calling tree is still being worked on. • The memorandum of understanding with the state as one more year to run. • Dave, WØNWT, gave a report on hamfest preparation; gave a sample of the announcement for the hamfest and auction bill, door prize list; vendors area has 12 tables so far; raffle tickets will be \$5 each or 4 for \$20; setup Friday night preceding the hamfest. • Sara is to do a club brochure.

NEW BUSINESS – Motion by Jim, KCØWVF, second by Jim, KDØS, that each new licensee (not upgrades) be given one free year of membership to PARC – passed.

Meeting adjourned at 2050 hours.

Minutes recorded and submitted by AAØLY.

A hole in your window/s?

Malicious software, like viruses, worms, and Trojan horses, collectively known as malware, can end up on your computer via email attachments and drive-by downloads. It can sneak in when you download free software, *especially free anti-malware software*. It lurks in seemingly innocuous adware, and takes advantage of vulnerabilities in peer-to-peer programs. The Chinese government used

rootkits to conduct spying on the movements of the Dalai Lama and steal documents from his office. Rootkits can enter your system as Trojans and compromise processes that are in place to prevent illicit or backdoor entry into your computer. This gives attackers the ability to open a secret portal through which they can access your PC to alter files, steal passwords, intercept communications, access sensitive files, turn on cameras and microphones to eavesdrop and use your resources to distribute spam. The GhostNet report from the University of Toronto uncovered a network of 1,295 host computers in 103 countries infected by the Chinese government.. The report classified 30% of those infected hosts as high-value targets, including computers located at ministries of foreign affairs, embassies and international organizations where sensitive information was compromised over an extended period of time.

There is really no guaranteed solution to

PARC TRUSTEES

Eldon Lindquist	WØRTD	Exp. 12-31-2009
John Opp	NØPIZ	Exp. 12-31-2010
Jim Ward	KCØWVF	Exp. 12-31-2011

PARC APPOINTMENTS

Activities	Jim Ward	KCØWVF
Tech	Jim Zahradnicek	KDØS
Tech	Randy Anderson	KBØGGM
Tech	Eldon Lindquist	WØRTD
ARES	Jim Zahradnicek	KDØS
Historical	John Opp	NØPIZ
DARN Directors	KDØS	WBØRJH

prevent malware from invading your computer, especially since criminals and governments spend a lot of time keeping ahead of the curve to find new and innovative ways to break down your computer's security defenses.

That said, you can do a lot to guard against malware, such as setting preferences in your web browser to increase security and being cautious about downloading software and clicking links.

How safe is your computer from attack? Will

your antivirus program protect you?

Here are a few “holes” I have found.

Adobe Reader and Adobe Acrobat versions 8.1.1 and earlier

Since January 20, 2008 banner ads are actively serving malicious PDF files that exploit the vulnerability and install the Zonebac Trojan. Once installed the Trojan kills various anti-virus products and modifies search results and banner ads. A similar attack occurred in October 2007 when the same group used a Realplayer 0-day exploit to install the Zonebac Trojan.

Microsoft Windows and most other Microsoft Products:

Could allow a remote, unauthenticated attacker to execute arbitrary code, gain elevated privileges, or crash a vulnerable system.

Adobe Flash Player

Adobe Flash Player contains a code execution vulnerability. An attacker may be able to trigger this overflow by convincing a user to open a specially crafted SWF file. The SWF file could be hosted or embedded in a web page. If an attacker can take control of a website or web server, trusted sites may exploit this vulnerability.

DNS Cache Poisoning

An attacker with the ability to conduct a successful cache poisoning attack can cause a nameserver's clients to contact the incorrect, and possibly malicious, hosts for particular services. Consequently, web traffic, email, and other important network data can be redirected to systems under the attacker's control.

There's an old hole — patched early last year — in the way Windows renders WMF (Windows Metafile) images. Cyber crooks are still using it to install keyloggers, adware and spyware on vulnerable machines. Last year it even [popped up](#) in an attack on MySpace users delivered through an ad banner.

Windows animated cursor vulnerability, which was discovered being exploited by Chinese hackers last March.

There are also holes in Apple's QuickTime browser plug-in — fixing it means downloading and reinstalling QuickTime. Like the animated

cursor hole, some of the QuickTime vulns allow an attacker to gain complete control of a machine remotely. It has been reported that the FBI uses these holes to infect computers with malware by planting clickable links on the net, ad banners, and Quick Time movie clips with what they call Computer and Internet Protocol Address Verifier, or CIPAV.

The CIPAV is designed to infiltrate a target's computer and gather a wide range of information, which it secretly sends to an FBI server in eastern Virginia. The FBI's use of the spyware surfaced in 2007 when the bureau used it to track e-mailed bomb threats against a Washington state high school to a 15-year-old student. Your antivirus will not help you with this spyware, since its code is secret and spyware or antivirus companies are not able to build code to combat it.

But the documents released under the Freedom of Information Act show the FBI has quietly obtained court authorization to deploy the CIPAV in a wide variety of cases, ranging from major hacker investigations, to someone posing as an FBI agent online. Shortly after its launch, the program became so popular with federal law enforcement that Justice Department lawyers in Washington warned that overuse of the novel technique could result in its electronic evidence being thrown out of court in some cases. "While the technique is of indisputable value in certain kinds of cases, we are seeing indications that it is being used needlessly by some agencies, unnecessarily raising difficult legal questions (and a risk of suppression) without any countervailing benefit," reads a formerly-classified March 7, 2002 memo from the Justice Department's Computer Crime and Intellectual Property Section.

The documents, which are heavily redacted, do not detail the CIPAV's capabilities, but an FBI affidavit in the 2007 case indicate it gathers and reports a computer's IP address; MAC address; open ports; a list of running programs; the operating system type, version and serial number; preferred internet browser and version; the computer's registered owner and registered

company name; the current logged-in user name and the last-visited URL.

After sending the information to the FBI, the CIPAV settles into a silent "pen register" mode, in which it lurks on the target computer and monitors its internet use, logging the IP address of every server to which the machine connects.

Headquartered in Crystal City, Virginia, just outside Washington, the FBI's National Security Branch Analysis Center (NSAC) maintains a hodgepodge of data sets packed with more than 1.5 billion government and private-sector records about citizens and foreigners, the documents show, bringing the government closer than ever to implementing the "Total Information Awareness" system first dreamed up by the Pentagon in the days following the Sept. 11 attacks.

Such a system, if successful, would correlate data from scores of different sources to automatically identify terrorists and other threats before they could strike. The FBI is seeking to quadruple the known staff of the program.

But the proposal has long been criticized by privacy groups as ineffective and invasive. Critics say the new documents show that the government is proceeding with the plan in private, and without sufficient oversight. Among the data in its archive, the NSAC houses more than 55,000 entries on customers of the Cendant Hotel chain, which includes Ramada Inn, Days Inn, Super 8, Howard Johnson and Hawthorn Suites. The entries are for hotel customers whose names matched those on a long list the FBI provided to the company. Another 730 records come from the rental car company Avis, which used to be owned by Cendant. Those records were derived from a one-time search of Avis's database against the State Department's old terrorist watch list. An additional 165 entries are credit card transaction histories from the Sears department store chain. Like much of the data used by NSAC, the records were likely retained at the conclusion of an investigation, and added to NSAC for future data mining.

It's unclear how the FBI got the records. In the past, companies have been known to voluntarily

hand over customer data to government data-mining experiments — notably, in 2002, JetBlue [secretly provided](#) a Pentagon contractor with 5 million passenger itineraries, for which it later apologized. But the FBI also has broad authority to demand records under the Patriot Act, using so-called "national security letters" — a kind of self-issued subpoena that's led to repeated abuses being [uncovered](#) by the Justice Department's inspector general. The FBI used the system to locate a suspected Al Qaeda operative with expertise in biological agents who was hiding out in Houston. And when law enforcement officials got information suggesting members of a Pakistani terrorist group had obtained jobs as Philadelphia taxi drivers, the NSAC was tapped to help the city's police force run background checks on Philadelphia cabbies.

(A Jordanian-born Philly cab driver was convicted in 2008 for his part in a plot to attack the Fort Dix army base in New Jersey, but there's no evidence of a connection between the investigations.)

And when the FBI lost track of terrorism suspects swept in the evacuation from Hurricane Katrina in 2005, it created a standing order in the system to flag any activity by the missing targets.

Additionally, the FBI shared NSAC data with the Pentagon's controversial Counter-Intelligence Field Activity office, a secretive domestic-spying unit which collected data on peace groups, including the Quakers, until it was shut down in 2008. But the FBI told lawmakers it would be careful in its interactions with that group.

Conventional criminal cases have also benefited. In a 2004 case against a telemarketing company called Gecko Communications, NSAC used its batch-searching capability to provide prosecutors with detailed information on 192,000 alleged victims of a credit scam.

The feds suspected that Gecko had promised to help the victims improve their credit scores, and then failed to produce results. NSAC automatically analyzed the victims' credit records to prove their scores hadn't improved, a

task that took two days instead of the four-and-a-half years that the U.S. Attorney's Office had expected to sink into the job. In December 2006, the owners and seven office managers at the company were [sentenced](#) to prison.

The FBI is currently seeking permission to subpoena records of clients of many large corporations. All banking records are now part of this database. Not sure how that happened... hee

PARC MONTHLY MEETINGS


**ALWAYS THE SECOND THURSDAY OF EACH
MONTH AT FIRE STATION #4**

No amateur shall transmit communications in which the station licensee or control operator has a pecuniary interest, including communications on behalf of an employer.' -- FCC Rules, §97.113(a)(3)

In case you have not heard this rumbling on the horizon, you probably want to watch this for future development. Everyone that has connection to Amateur Radio is familiar with the FCC's requirement that ham radio not be used for business purpose (specifically Part **97.113**). Most of us recognize the obvious situations where that would be an issue, but recently a gray area has come to be in the spotlight. What if someone who is employed by a local Emergency Management Organization happens to also have a ham license, and is participating in a training exercise sponsored by that EMA... Unfortunately the FCC is taking the position that it **would not be appropriate** for that EMA employee to use the ham radio as part of that exercise. Another example given by the FCC points out the difference between a Red Cross employee transmitting health & welfare traffic on behalf of an individual that has been relocated to a shelter, and a Red Cross employee using ham radio to manage Red Cross resources (read as 'Red Cross Business').

Whether you agree with this interpretation or not – you need to know the background facts, and stay informed as to how this is playing out.

Even while rule-making proposals are being worked, the fact remains that the FCC has stated their position on this, and we all need to be aware of how to stay out of trouble with the laws as they are currently interpreted. Especially if you are a paid employee of ANY emergency relief or response unit, and hold an amateur radio license – **you NEED to read carefully on this subject** and understand what all this means, and how it effects you. If you are a volunteer, you need to help ensure that others are not inadvertently mis-interpreted as being in violation. For those who are only just now learning of this issue, here is a brief time-line (with links following): I first became aware of this issue in June 2009, while reading blog entries(1) by **David Coursey – N5FDL**, an Emergency Coordinator in California. He indicated that he had received a request for guidance from a volunteer, and that he had been in contact with the FCC. Based upon the FCC response, he further indicated that a Rule Making Proposal needed to be in the works. In August several of us collaborated in the construction of a White Paper(2), with background information and FCC responses. On Sept 1st, the ARRL issued their view of this situation in QST magazine's "It Seems to Us"(3). On Sept 18, Alabama ARES members received this update(4) from the Section EC regarding the weekly regional HF net. N5FDL also posted his 'Don't panic' updated guidance(5) on 97.113 compliance. Apparently groups around the country are considering their response to this issue as well. In response to numerous requests for clarification -- most of them submitted in the hope of hearing a different answer -- the FCC recently has spelled it out very clearly. For example, writing on July 16 to a hospital employee who had objected to a Commission staff interpretation that hospital employees cannot transmit communications on behalf of the hospital while they are on duty, Roger S. Noel, Chief, Mobility Division, Wireless Telecommunications Bureau, supported the interpretation and went on to observe: "Moreover, the rule does not draw any distinction based on the station operator's duty status at the time of the transmission." In other

words, it doesn't matter whether the employee is on duty or not. In either case, transmitting communications on behalf of an employer is prohibited.

My response to changing 97.113 is that just like getting rid of CW, it feels good, but when implemented did absolutely nothing for the hobby. Changing a rule that keeps government entities from using our frequencies will not benefit amateur radio, instead it will make volunteerism in amateur radio a thing of the past... We can always hand out the hotdogs and coke to the paid operators in an emergency because we certainly will not be the ones manning the radios in an emergency situation. KDØS

SPECIAL EVENTS

Oct 2-Oct 11, 1400Z-1800Z, Albuquerque, NM. High Desert Amateur Radio Club of NM, Inc, N5B. Albuquerque International Balloon Fiesta 2009. 21.280 14.260 7.260. QSL. HDARC of NM, Inc, 4972 Turquoise Dr, Rio Rancho, NM 87124. fwarrensr@earthlink.net or www.nm5hd.com

Oct 3, 0900Z-1800Z, Prosperity, PA. Washington Amateur Communications, WA3COM. Boy Scout Emergency Preparedness Drill. 14.250 3.865 7.225 21.300. QSL. Ed Oelschlager, 60 Carl Ave B-2, Eighty Four, PA 15330. www.wacomarc.org

Oct 3, 1100Z-1800Z, LaGrange, GA. LaGrange Amateur Radio Club, K4L. Celebrating LARC 20th Anniversary at its first Ham Fest. 14.070 7.070 3.580. Certificate. E. A. Skip Kazmarek, K4EAK, 1190 Byrnwyck Rd, Atlanta, GA 30319. www.lagrangeradioclub.org

Oct 3, 1200Z-2100Z, Harlem, GA. Columbia County Amateur Radio Club, W4O. The Oliver Hardy Festival Special Event Station - W4O. 28.360 21.260 14.260 7.260. QSL. W4O Special Event Station, PO Box 800, Evans, GA 30809. ccarc.hamradioman.com/index.html

Oct 3, 1300Z-1700Z, Anamosa, IA. Jones County Amateur Radio Club, WØCWP. 21st Annual Pumpkinfest and Weigh-Off. 14.260 +/- Certificate. Jones County Amateur Radio Club, 304 S Ford St, Anamosa, IA 52205.

<http://pumpkinfest.anamosachamber.org> or www.qsl.net/kc0lgb

Oct 3, 1300Z-2000Z, Forest, VA. Lynchburg Amateur Radio Club, N4J. 200th anniversary of Thomas Jefferson's retirement as President and his first visit to Poplar Forest, his retreat home and farm in Bedford County VA. 14.070 PSK 14.263 7.260. QSL. Dick Hiner, W4HMK, 3977 Waugh Switch Rd, Big Island, VA 24526.

www.k4cq.n4kss.net

Oct 3, 1300Z-2300Z, Hahira, GA. South Georgia United Methodist Amateur Radio Socie, WG4UM. 28th Annual Hahira Honey Bee Festival. 146.520 28.400 14.252 7.225. QSL. SGUMARS, 2548 E Park Ave, Valdosta, GA 31605. www.hahira.ga.us/honeybee.html

Oct 3, 1400Z-2000Z, North Judson, IN. Starke County Amateur Radio Club, W9JOZ. Radioville, IN -- The Town that Never Was. 14.240 7.240. QSL. Stark County ARC, 7495 S 500 W, North Judson, IN 46366. www.w9joz.org

Oct 3, 1500Z-2359Z, Oak Lawn, IL. Metro DX Club, W9M. Celebrating the 30th Anniversary of the Metro DX Club. 14.240 14.040 7.240. Certificate. John Holmes, 8728 Sproat Ave, Oak Lawn, IL 60453.

www.metrodxclub.com

Oct 3, 1500Z-2100Z, Robbinsville, NC. Smoky Mountains Amateur Radio Team, N4GSM. Opening of Cherohala Senic Skyway. 14.242 7.242. Certificate. SMART, PO Box 983, Robbinsville, NC 28771-0983. w4fmf@arrrl.net or www.main.nc.us/graham/smart

Oct 3-Oct 4, 0000Z-2359Z, Lier, BELGIUM. Club Station UBA-LIR (ON7LR), ON4DAMIAN. Honoring the Canonization of Belgian Father Damien. 21.165 14.120 7.150 7.065 3.665. QSL. Via UBA bureau or direct to Radioclub ON7LR, Fortweb 24, 2500 Lier, BELGIUM. *Also operating on Sep 5-6, 2009.*

www.on7lr.org

Oct 3-Oct 4, 1500Z-2300Z, Pittsburgh, PA. Rotarians of Amateur Radio, K3R. Public demonstration of amateur radio-emergency preparedness. 14.230 14.155 7.180 7.130. Certificate. Bob Mente, 305 Ewing Rd, Carnegie, PA 15106-1509. *Listen on the 20 and 40 m bands.* www.nu3q.com

Oct 3-Oct 11, 0001Z-2359Z, Los Angeles, CA. The Gertrude Tompkins Expedition, W6T. The search for the last missing WASP of WWII. 14.250. QSL. GTE-W6T, 837 W Ave L-10, #B, Lancaster, CA 93534. groups.yahoo.com/group/w6t

Oct 4, 1200Z-2200Z, Auburn, ME. Androscoggin ARC, N1D. Dempsey Challenge (bicycle race) fight against cancer. 28.400 14.240 7.190 3.950. QSL. Androscoggin ARC, PO Box 1, Auburn, ME 04212-0001. www.w1npp.org

Oct 4-Oct 31, 0001Z-2359Z, Philadelphia, PA. University of Pennsylvania Amateur Radio Club, W3KZ/100. Celebrating 100 Years of Amateur Radio at Penn. 14.260 10.115 7.030 3.530. QSL. R. R. Miller, 1507 Wilson Ln, West Chester, PA 19380-6334. *W3ABT/100 will also be on-the-air from Alumni Club members stations.* www.seas.upenn.edu/~uparc/history.html

Oct 10, 1300Z-2000Z, Townsend, TN. Smoky Mountain Amateur Radio Club, W4OLB. 75th anniversary of the founding of the Great Smoky Mountains National Park. 14.310 7.070. QSL. Carroll Peabody, W4PCA, 2054 Independence Dr, Maryville, TN 37803. *Operating from the Smoky Mountain Visitor Center.* www.smokymountainarc.org

Oct 10, 1400Z-2200Z, Chillicothe, OH. Scioto Valley Amateur Radio Club, W8BAP. Celebrating the club's 50th anniversary. 28.420 21.365 14.265. QSL. SVARC, 306 E 4th St, Waverly, OH 45690. grandpaguitar@hotmail.com

Oct 10, 1400Z-2200Z, Kings Mountain, NC. Cleveland County Amateur Radio Service, NA4CC. The Battle of Kings Mountain fought

October 7, 1780. 14.260 7.260. Certificate. CCARS - Special Events, PO Box 864, Shelby, NC 28151. www.nps.gov/kimo or ki4rak@arrl.net

Oct 10, 1400Z-2000Z, San Angelo, TX. San Angelo Amateur Radio Club, W5QX. 85th Anniversary of the San Angelo Amateur Radio Club. 146.940 14.230 7.230. Certificate. SAARC, Inc, PO Box 4002, San Angelo, TX 76902. www.w5qx.org

Oct 10, 1600Z-2359Z, San Diego, CA. USS Midway (CV 41) Museum Radio Operations Room, NI6IW. US Navy Birthday 1775. SSB 14.320 7.250 PSK-31 7.070 CW 14.060 7.055 D-STAR 2m/70cm SOCAL rep. QSL. USS Midway Museum Radio Room, 910 N Harbor Dr, San Diego, CA 92101. kk6fz@arrl.net

Oct 10, 1600Z-2359Z, Troy, MO. Girl Scouts of America, WB2UFO. Girl Scout Camp demonstration of Amateur Radio. 14.326 7.245 3.973. QSL. Larry Lauer, WB2UFO, 13764 Cedar Cove Pl, New London, MI 63459. lhlaue@earthlink.net

Oct 10-Oct 11, 1200Z-1800Z, Athens, GA. Athens Radio Club, NE GA ARC and Oconee County ARS, K4UGA. 30 years of support to the University of GA and the Red Cross by local hams. 14.330 7.230 3.930 1.830. QSL. Athens Radio Club, PO Box 782, Athens, GA 30603-0782. www.ne4ga.org or www.athensradioclub.org or k4uga30.wordpress.com

Oct 10-Oct 11, 1500Z-2100Z, Warren, CT. Northville Amateur Radio Association, W1W. The 48th Annual Warren Fall Festival. 21.300 14.245 7.225. Certificate. Mike Walters, W8ZY, 32 Chapin Rd, New Milford, CT 06776. www.nalra.com

Oct 10-Oct 11, 1600Z-2200Z, Burlington, NC. Alamance Amateur Radio Club, K4EG. 150th Anniversary of Cape Lookout Lighthouse. SSB 28.450 21.250 14.250 7.250 CW 28.055 21.055 14.055 7.055. QSL. Gary Hills, KA4KJI, 1931 Malone Rd, Burlington, NC 27215. *Times are 1600Z-2000Z Oct 10 and 1300Z-2200Z Oct 11. Will also monitor 18.081 and 10.110.*

home.roadrunner.com/~n4mio/AlamanceHam/ARC/aarc.shtml

Oct 12-Oct 18, 1500Z-2000Z, Seney, MI. Lake Effect Amateur Radio Club, N8W. National Wildlife Refuge Special Event from Seney NWR. 14.235 14.070 7.235. QSL. Lake Effect ARC / NWR2009, 36 Southfork St, Marquette, MI 49855. www.LakeEffectARC.info/N8W-Seney

Oct 14-Oct 18, 1500Z-2359Z, Mio, MI. Eagles Landing Radio Club, K8W. National Wildlife Refuge Week, Kirtland Warbler. 7.070 7.225 14.250 14.070. QSL. KD8KAF, 5636 S Huron Rd, Pinconning, MI 48650. *Operating portable in the Kirtland Warbler nesting area.* wd8cjin@arrl.net

Oct 16-Oct 18, 1300Z-2100Z, Gautier, MS. Magnolia DX Association, K5W. Operating from MS Sandhill Crane NWR for NWR Week. 18.140 14.240 14.040 7.240. QSL. Randy Becnel, W5UE, PO Box 170, Kiln, MS 39556. w5ue.net/k5w/index.html

Oct 16-Oct 18, 2300Z-2300Z, Morgan City, LA. Thibodaux Amateur Radio Club, W5YL. Power boat racing returns to Morgan City after 30 years. 14.250 7.250. QSL. Richard Barrett, 4140 Southdown Mandalay Rd, Houma, LA 70360. www.w5yl.org

Oct 17, 1200Z-2000Z, Woodbridge, VA. National Wildlife Refuge Amateur Radio Club, K4NWR. National Wildlife Refuge Week. 17.240 14.240 14.073 7.240. QSL. Brad Farrell, K4RT, 7423 Salford Ct, Alexandria, VA 22315. *Listen for other NWR Week special event stations Oct 10-18!* www.w4ava.org/k4nwr/k4nwr.htm

Oct 17, 1300Z-2000Z, East Freetown, MA. US Coast Guard Auxiliary 013-06-05, K1K. Commemorating USCG Auxiliary 70th Anniversary. 28.360 21.375 14.278 7.258. QSL. USCGA-65 K1K, 80 Middle St, Fairhaven, MA 02719. k1k.73@comcast.net

Oct 17, 1300Z-2000Z, Media, PA. US Coast Guard Auxiliary, K3G. 70th Anniversary of the US Coast Guard Auxiliary. 21.330 14.270 7.270

IRLP 4790. QSL. Daniel F. Amoroso, 196 Dam View Dr, Media, PA 19063. a0530407.uscgaux.info/SED2009.html

Oct 17, 1300Z-2200Z, Merritt, NC. USCG Auxiliary Dist. 5 Div 20, W4C. 70th Anniversary of the USCG Auxiliary. 28.360 21.345 14.320 7.280. QSL. KB2NNC, 35 Bayview Dr, Merritt, NC 28556. a0542003.uscgaux.info

Oct 17, 1300Z-2100Z, New Market, TN. US Coast Guard Auxiliary, W4T. 70th Anniversary of the United State Coast Guard Auxiliary. 14.250 14.255 14.270 14.275. QSL. Mark Williams (W2OBX), 1904 Cook Mill Rd, New Market, TN 37820. w2obx@att.net

Oct 17, 1300Z-2100Z, Sayreville, NJ. USCG Auxiliary Flotilla 21, K2N. 70th Anniversary of the United States Coast Guard Auxiliary. 28.373 21.358 14.273 7.252. QSL. K2N Special Event, 165 Main St, Sayreville, NJ 08872. a0140201.uscgaux.info/index.html

Oct 17, 1300Z-2100Z, Swampscott, MA. US Coast Guard Auxiliary 1st. Northern Region, K1G. 75th Anniversary US Coast Guard Auxiliary. 28.485 21.285 14.285 7.285. QSL. Dr. Gary G. Young, K2AJY, 1 Sutton Pl, Swampscott, MA 01907-2609. gyoung@worchester.edu

Oct 17, 1300Z-2100Z, Taunton/Kingston, MA. Taunton Area Communications Group, KC1TAC. 52nd Jamboree-on-the-Air from Camp Norse Kingston, MA. 147.225 14.290 18.140 7.190. QSL. Don Burke, KB1LXH, 81 Fremont St, Taunton, MA 02780. www.freewebs.com/kc1tac/jota.htm

Oct 17, 1300Z-2200Z, Virginia Beach, VA. US Coast Guard Auxiliary 054-05-07, W4Z. 70th Anniversary of the Coast Guard Auxiliary. 21.410 14.262 7.250. QSL. Robert Dunnington, KI4VCT, 1110 Atlantic Ave, Virginia Beach, VA 23451. QE@flotilla57.com

Oct 17, 1400Z-2200Z, Buchanan, TN. USCG Auxiliary Flotilla 8-10 8ER, N4U. Commemorating USCG Auxiliary 70th Anniversary. 28.335 21.370 14.285 7.242

PSK31 20 m. QSL. USCGA Flotilla 8-10 8ER, 4156 Barge Island Rd, Benton, KY 42025. ab4eg@eplus.net

Oct 17, 1400Z-2200Z, Cartersville, GA. USCG. Auxiliary - Flotilla 2-2 D-7 -Lake Allatoona, W4A. 70th Anniversary of the USCG Auxiliary. 28.380 21.375 14.275 7.275. QSL. Jim Farley, KG4FXV, PO Box 641, Smyrna, GA 30081-0641. jimfarley@att.net

Oct 17, 1400Z-2100Z, Des Moines, IA. US Coast Guard Auxiliary Flotilla 4 8WR Div 33, K0G. Commemorating USCG Auxiliary 70th Anniversary. 28.405 21.405 14.345 7.240. QSL. John Halbrook, 6300 Stanmore Ct, Johnston, IA 50131-2842. www.flotilla4.org

Oct 17, 1400Z-2200Z, Duluth, MN. US Coast Guard Auxiliary, 091-08-04, W0D. Commemorating USCG Auxiliary 70th Anniversary. 28.352 21.352 14.252 7.252. QSL. John R. Whelan, 6924 W Van Rd, Duluth, MN 55803-9359. k0jrw@arrl.org

Oct 17, 1400Z-2100Z, East Syracuse, NY. Coast Guard Auxiliary, W2W. Auxiliary 70th Birthday. 28.345 21.385 14.338 7.238. QSL. Jan K. Just, 7537 Myers Rd, East Syracuse, NY 13057. *JOTAs welcomed.* cgauxr92@aol.com

Oct 17, 1400Z-2100Z, Flowery Branch, GA. USCG Auxiliary - Flotilla 29 - Lake Lanier, W4L. Celebrating the 70th year fo the US Coast Guard Auxiliary. 21.365 14.295 7.293 145.370. QSL. Dave Wall, NQ5E, 2110 Oakpointe Ct, Buford, GA 30519. nq5e@bellsouth.net

Oct 17, 1400Z-2200Z, Freeport, NY. US Coast Guard Auxiliary, K2R. Commemorate 70th Anniversary of USCG Auxiliary. 28.395 21.395 14.282 7.247. QSL. Ron Tomo, KE2UK, 1049 Barbara Ct, North Bellmore, NY 11710. *From USCG Station Jones Beach, NY.*

Oct 17, 1400Z-2100Z, Jacksboro, TN. Flotilla 08E-12-05 US Coast Guard Auxiliary, K8A. 70th Anniversary of US Coast Guard Auxiliary. 21.330 14.343 7.240. QSL. Pete DeWitt, 393 Clover Cir, Jacksboro, TN 37757-4643. petedewitt@hughes.net

Oct 17, 1400Z-2100Z, Jacksonville, FL. US Coast Guard Auxiliary, W4W. Anniversary of the US Coast Guard Auxiliary. 28.385 21.340 14.268 7.278. QSL. Joe Mac Ivor, 12632 Blue Eagle Way, Jacksonville, FL 32225. w4wlz@aol.com

Oct 17, 1400Z-2200Z, Little Rock, AR. United States Coast Guard Auxiliary, Flotilla 1508, W5G. USCG Auxiliary 70th anniversary. 14.280. QSL. WA5OFT, 9921 Echo Valley Ct, Little Rock, AR 72227.

Oct 17, 1400Z-2000Z, New York, NY. USCG Auxiliary Flotilla 014-05-11, W2K. 70th Anniversary USCG Auxiliary. 28.330 21.330 14.270 7.270. QSL. John Kiernan, KE2UN/W2K, 110 Cabrini Blvd Apt A, New York, NY 10033-3446. ke2un@msn.com

Oct 17, 1400Z-2100Z, Omaha, NE. US Coast Guard Auxiliary, N0C. US Coast Guard Auxiliary 70th Anniversary. 28.400 21.400 14.247 7.267. QSL. Doug Eubanks, 607 W 15th Ave, Bellevue, NE 68005. ka0o@cox.net

Oct 17, 1400Z-2100Z, Trinity, AL. US Coast Guard Auxiliary, W4U. 70th Anniversary of the US Coast Guard Auxiliary. 28.450 21.290 14.250 7.210. QSL. Joe Kleri, N8ESI, 105 Meadowview Dr, Trinity, AL 35673. n8esi@arrl.net

Oct 17, 1600Z-2200Z, Canon City, CO. Royal Gorge Amateur Radio Club, KB0TUC. Operating from the Worlds Highest Suspension Bridge. 14.260. Certificate. Chuck Ward, 1011 Harrison St, Canon City, CO 81212. n0kyb@bresnan.net or www.qsl.net/rghc

Oct 17, 1600Z-2300Z, Yorba Linda, CA. US Coast Guard Auxiliary 11s15-08, W6A. Commemorating the 70th Anniversary of the US Coast Guard. 28.407 21.362 14.292 7.268. QSL. Roy L. Lay, 219 Beal Ave, Placentia, CA 92870-2539.

Oct 17-Oct 18, 1300Z-2100Z, Hunting Island, SC. Beaufort Radio Amateur Group, K4L. 150th Anniversary Hunting Island Lighthouse. 14.190 14.070 7.190 7.070. QSL. K3LLH, 2 Treadlands, Beaufort, SC 29906.

pws.prserv.net/K4L

Oct 17-Oct 18, 1430Z-2130Z, Stanton, TN. Haywood County Amateur Radio Group, W4H. National Wildlife Refuge Week. 146.550 28.420 7.210 3.890. Certificate. Dwayne Duncan, PO Box 355, 5 N Main St, Stanton, TN 38069.

From Hatchie National Wildlife Refuge.

ki4bxi@comcast.net

Oct 17-Oct 18, 1600Z-1600Z, San Francisco, CA. San Francisco Amateur Radio Club, W6PW. 20th Anniversary of the Loma Prieta Earthquake. 14.250 3.805 7.030 (CW) 7.185 (PH). Certificate. Tony Dowler, KM6DA, PO Box 1749, Pacifica, CA 94044-6749. *We will be operating from the Marina District, one of the most damaged areas of the city during the quake.* www.sfar.org

Oct 17-Oct 18, 1700Z-0100Z, Arleta, CA. US Coast Guard Auxiliary, W6W. 70th Anniversary of US Coast Guard Auxiliary. 14.300 14.250 14.230. QSL. Howard Levine, 9482 Urbana Ave, Arleta, CA 91331. w6cga@yahoo.com

Oct 17-Oct 18, 1700Z-0004Z, Los Gatos, CA. Loma Prieta Amateur Radio Club, K6K. 20th anniversary Loma Prieta earthquake. 14.325. Certificate. David M. Katinsky, N2RDT, 25570 Radonich Rd, Los Gatos, CA 95033. www.lparc.org

Oct 17-Oct 18, 1800Z-0100Z, Richmond, CA. Boy Scouts of America, W6BSA. 52nd Jamboree On The Air from the Red Oak Victory Ship. 21.360 18.140 14.290 7.190. QSL. Red Oak Victory Radio Club, 801 Payne Ct, Richmond, CA 94806. jotaforever01@yahoo.com

Oct 18-Oct 19, 1800Z-0600Z, Anchorage, AK. Alaska DX Club, KL5O. Celebrating 50 years of Alaska Statehood on Alaska Day. 14.250. QSL. Ron G. Lago, AC7DX, PO Box 25426, Eugene, OR 97402. allg_ak@yahoo.com

Oct 20-Oct 22, 1230Z-2000Z, Moultrie, GA. Colquitt County Ham Radio Society, K0W. Sunbelt Ag-Expo. 146.79 28.400 14.225 7.250. QSL. Dale Culp, 1148 Paul Murphy Rd, Moultrie, GA 31768. wd4kow@wd4kow.org or www.wd4kow.org

Oct 21-Oct 26, 1200Z-2359Z, Lynchburg, TN. Coffee County Amateur Radio Emergency Service, W4J. 21st Annual Jack Daniels World Championship Invitational BBQ. 14.250 14.080 7.240 SSB CW RTTY. QSL. Jimmy Floyd, PO Box 511, Tullahoma, TN 37388. www.mtars.org

Oct 24, 1300Z-1700Z, Randleman, NC. Tri-County Amateur Radio Club, NC4AR. Annual NASCAR Days Festival. 14.278 7.210. Certificate. NC4AR, PO Box 747, Trinity, NC 27370. www.qsl.net/nc4ar

Oct 24, 1400Z-1900Z, Helena/Karnes County, TX. Radio Operators of South Texas, W5ROS. Historical Society's Indian Summer Heritage Festival. 14.265. Certificate. Andy Meyer, KD5TNI, PO Box 175, Hobson, TX 78117.

Oct 24, 1500Z-2000Z, Punta Gorda, FL. Octagon Wildlife Sanctuary, W8OWS. 31 years of care for abused and abandoned animals. 14.330 7.230. QSL. Tad Burik, K3QC, 2235 Virginia Ave, Fort Myers, FL 33905. www.octagonwildlife.org

Oct 24-Oct 25, 0000Z-2359Z, Smithville, TX. Bastrop County Amateur Radio Club, KE5FKS. Brotherhood of Amateur Radio. 28.300 21.025 14.225 7.225. QSL. BCARC, PO Box 307, Smithville, TX 78957. BCARC@YahooGroups or www.repeater.org/austinhams/bcarc/index.html

Oct 25, 1700Z-2100Z, Sandy Hook Lighthouse, NJ. Roseland Amateur Radio Club, K2A. Fort Hancock Establishment Day. 14.270 7.270. QSL. Roseland Amateur Radio Club, 300 Eagle Rock Ave, Roseland, NJ 07068. www.qsl.net/k2gq

Oct 29, 1400Z-1800Z, Sturtevant, WI. Gateway Technical College Amateur Radio Club, N9GTC. GTC celebrates 98 years, the 1st Tech College in WI. 21.275 14.275 7.275. Certificate. N9GTC ARC, 2320 Renaissance Blvd, Sturtevant, WI 53177. engtech.gtc.edu/n9gtc

Oct 30, 1400Z-1800Z, Sturtevant, WI. Gateway Technical College Amateur Radio Club, N9GTC. GTC celebrates 98 years, the 1st

Tech College in WI. 21.080 14.080 7.080.
Certificate. N9GTC ARC, 2320 Renaissance
Blvd, Sturtevant, WI 53177.
engtech.gtc.edu/n9gtc

Oct 30, 1700Z-2200Z, Las Vegas, NV. Las Vegas Radio Amateur Club, N7V. Celebrating Nevada Day -- 144th anniversary of Nevada statehood. 14.250 14.050 7.250 7.050. QSL. LVRAC, PO Box 27342, Las Vegas, NV 89126-1342. www.lvrac.org

Oct 31-Nov 1, 1700Z-0500Z, Transylvania, LA. Northeast Louisiana ARES Foundation, WA5WX. It's a spooky night in Transylvania. 14.260 21.360 7.260 3.960. QSL. Kevin Thomas, 1573 Brownlee Rd, Calhoun, LA 71225. www.ares-nela.org

PARC 2009 MEMBERSHIP DUES ARE ONLY \$24.00 FOR INDIVIDUALS AND \$12.00 FOR ADDITIONAL FAMILY MEMBERS. CONTACT PARC TREASURER, NØNPO.

ANNOUNCEMENTS

PARC Meetings are always held the 2nd Thursday of each month.

2009 membership is due.
\$24.00 per year
\$12.00 for additional family member.

Coffee: PARC members schedule coffee at 10:00 AM Saturdays at Gators in the Pierre mall, and 10:00 AM on Thursdays at Hardees.

WWW.SDHAMS.COM

KOPIR has put together a great page for use of all hams, not only those from the central SD area.

You do not have to register with the site to view, but should register if you want to post messages. Check it out!

You may even find this newsletter there!

SOUTH DAKOTA LINK SYSTEM

Your South Dakota Link net is held each Wednesday at 9:00 PM central time on the South Dakota link. Depending on your location you can check in on one of the following repeaters.

Turkey Ridge	147.000+
Humboldt	147.285+
Garden City	146.670-
Wessington Springs	147.345+
Reliance	146.940-
Pierre	146.730-
Murdo	147.300+
Phillip	147.375+
Terry Peak	147.030+
Rapid City	444.750+

All repeaters use 146.2 tone

DONATIONS TO THE SD LINK SYSTEM ARE URGENTLY NEEDED AND A NEW EASIER METHOD IS NOW AVAILABLE.

Go to the SDARC web site:
<http://www.w0sd.com/sdarc/sdarc.htm>
and make your secure tax deductible contribution with your credit card or paypal account!

SD HF NETS

SD MORNING WX NET	7:30 AM	3.959
SD NJQ NOON NET	12:15 PM	3.870
SD NEO EVENING NET	6:00PM	3.860

Pierre repeater	145.35- w/146.2 tone
Pierre IRLP node 3266	146.565 w/146.2 tone
Miller IRLP node 3268	146.565 w/146.2 tone
Martin EchoLink	145.505 no tone