



CAARA Newsletter



AN ARRL AFFILIATED CLUB

SEPTEMBER ISSUE- 2012



President's Corner *by Stan-W4HIX*

The summer is winding down and we are rapidly approaching another annual members' meeting in September. The club is doing well, and as always, I'd like to encourage everyone to get involved. There are many things that need our attention, and everyone can find a niche. We have a fair amount of maintenance that we have to get done to meet our agreement with the City and the weather will turn on us quicker than we think. The club needs volunteers for the second floor project—we are going to start by painting. We can use a lot of help in moving things around so we can get at the walls, and if you can handle a brush—all the better.

The club needs help on antennas—the triband beam needs some attention, and the Butternut is still not up. Plus, we need a decent wire dipole for 40m work, or maybe a G5RV Jr. Also, if you'd like to help out on equipment, we need to go through our gear and develop a surplus list so we can move some of the gear and turn it into cash. I want to thank everyone who helped out at Boxboro this year, we had a great time and made a few bucks.

I don't want to make this a laundry list of everything that needs doing, so there are some contests coming up that should be fun and help hone our operating skills. Keep an eye out for a list coming up. I should have another Tech in a Day coming up in October. Ruth is working on a portable operation at Fuller in the near future—another opportunity to get involved.

I want to thank everyone in the club for making my term as president a very interesting and rewarding time. I can't believe that two years have passed. There are some director positions open next

term—give it some consideration if you would like to contribute to the club.

That's it for now—see you around the clubhouse.

Clerk's Corner *by Dean-KB1PGH*



Coming up in September we have the all important Annual Meeting of the membership on Wednesday, September 12 at 7:30 PM at the CAARA clubhouse on 6 Stanwood Street in Gloucester. I highly encourage all members to attend this meeting as it is vitally important as we cover many items regarding club activity. We will have "Financial State of the club" review by club Treasurer Hank McCarl- W4RIG and that will be followed by a "State of the Club" address by club President Stan Stone- W4HIX. After that we will open the floor to the membership for any questions or issues that you may have. The final order of business is the election, or re-election, of club officers and directors as their terms dictate. While we are talking about elections we will be looking to fill at least two Director positions on the CAARA Board as two other Directors terms are ending. So here's an opportunity to serve if you are interested, or if you want to nominate another member to serve you may do so at the Annual meeting, as long as the other member is present. This is the yearly reminder for all members to quickly go over the CAARA Constitution in the members section of the club's website at www.caara.net. It contains all of the members rights as well as the lengths of terms on the CAARA Board, as well as the election process so you'll have a better idea of what's going on during the Annual Meeting.

There will be no regular member's meeting in September as we have the Annual Meeting but in October the regular meeting schedule kicks into gear. We are looking for the membership to fill in the speakers, presentations and topics during the upcoming regular meetings on Wednesday, October 3rd, Wednesday November 7th and Wednesday

(continued on page 9)

CAARA Newsletter
Cape Ann Amateur Radio Association
6 Stanwood Street
Gloucester, MA 01930

CAARA Newsletter is a monthly publication of the Cape Ann Amateur Radio Association (CAARA). It is the policy of the editor to publish all material submitted by the membership provided such material is in good taste, relevant to amateur radio and of interest to CAARA members, and space is available. Material is accepted on a first come, first serve basis. Articles and other materials may be submitted by internet to Jon at k1tp@arrl.net. If possible, material should be in Word format. Material may also be submitted as hard copy to Jon-K1TP or any Club Officer.

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Jon Cunningham-Editor
K1TP

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Welcome to CAARA:

CAARA, an ARRL affiliated club, operates the 2 meter W1GLO repeater on 145.130 MHz with antennas located on the Cingular tower in the Blackburn Industrial Complex in Gloucester Massachusetts. It has an average effective radius of 60 miles, and serves Eastern Massachusetts, Cape Cod, Rhode Island, Southern New Hampshire, and maritime mobile stations. CAARA also operates the W1GLO repeater on 224.900. The former W1RK 443.700 repeater with antennas located in Magnolia is now located at the CAARA clubhouse and has a very limited range.

The Association is one of the few amateur radio clubs that has its own clubhouse. Located at 6 Stanwood Street in Gloucester, it includes a permanent HF station with rotating beam and vertical antenna along with a 2 meter packet station and 2 meter voice and 220 MHz transceivers.

Amateur radio exams are held on the second Sunday of each month at 10:00AM at the CAARA clubhouse. Anyone who is considering a new license or an upgrade, is welcome to test with us. There is no pre-registration necessary. Contact the head of our VE team Bob Quinn if you have any questions about monthly testing.

Monthly member meetings are held on the first wednesday of each month at 7:30 PM except for July and August.

Each Sunday evening at 9:00pm, the club operates a 2 meter net on 145.130. This is an open and informal net which disseminates club news and prepares operators for emergency communications work. All are invited to check into the net as club membership is not a requirement.

Ship Handling by Curtis Wright-AA3JE

It all comes down to living in a maritime town. I live on Cape Ann, Massachusetts, in an area famed for great boat designers, intrepid fishermen, lobstermen, oarsmen, ship captains, famous marine artists and other nautical folk so qualified that you can't spit on the sidewalk without hitting someone who exudes tar, salt air and a hint of rum. Well, actually, in Gloucester it is often a lot more than a hint.

You would think that this would be an ideal place to keep and sail a boat.

If I was anyone else, or if I had a shred of nautical talent, this would be the case. Unfortunately I am a farm boy from inland Pennsylvania, and all of my nautical adventures were on the Brandywine river, which was about 15 feet wide (mostly). I learned to sail in Paddy Piddles Cove on the Elk River, Maryland, which was a lot wider (about a mile), but was pretty shallow. In fact, at low tide it was about knee deep, reassuring to parents, but frustrating to kids. It really put a cramp in our adolescent adventures when the young lady in question became irritated and stepped out of the boat and walked home.

The problem became more acute when I joined the Navy. Everyone assumed, perhaps because of the uniform, that I was a salty veteran of foreign seas. In fact, through accident, most of my time in uniform was spent with either Seabees or Marine corps combat engineers, with all the other times on ships so big that you rarely saw the ocean.



So when I married a salty gal from Rockport, I began to wend my way around the waters of Cape Ann. I developed a natural affinity for the Annisquam river, since it was about as deep as the Elk River except for an evanescent channel that wanders from side to side (more rum?) and is rarely a problem. Wait a few minutes and the channel will carry you to a shallow spot and you can walk home.

The other side of Cape Ann is another story. It's rock, nasty rock, with big waves that whack it nearly all the time. The rocks are covered with mussels and barnacles that are razor sharp, and if you have to come ashore in that water, you had better have your life insurance paid up. The tidal range is measured in meters (several meters), the currents are fierce (3-6 knots) and on a fall day the wind blows 10-20 knots and will bowl over the average sailboat if you are not paying full attention.

Naturally, I had complete confidence in my ability to deal with all this, so one day I went out for a pizza and returned home with a boat. My wife noticed this the next time she went out (hard to miss a 19 foot sailboat on a trailer in the driveway) and asked me just what I thought I was doing. I described the delights of sailing, the benefits to the young, the healthy sea air, and was waxing more rhapsodical when she cut me off.

"It's old, it stinks of mold, and you'll drown us all."

My son was even more abrupt.

"You're not getting me in that thing."

Despite the (perhaps well deserved) skepticism of my family, I scrubbed the boat out with several bottles of Clorox, got a trailer that had NOT been used to haul manure, and after a few tickets on the Connecticut parkway (evidently trailers are not allowed), I had a boat. In Rockport, by the great blue sea.

This was where I learned about trailers, trailer ramps, and my fellow jolly mariners. There are always too few ramps, too many boaters, and much too much congestion at these facilities. The possibilities for conflict are many, and going out there is much impatience, coming back there is much profanity (again, rum), and being a “D%\$\$%*t” with a 20 foot sailboat, learning how to launch and retrieve same at a busy ramp both broadened my vocabulary and helped me make great strides in being graceful and gracious when being the subject of pretty caustic abuse. (Some of those words I never learned, even during my naval career).

But I persevered, and the 19 foot boat turned into a 22 foot boat and then into a 27 foot boat. Then disaster struck. I found, to my horror, that while I was pretty good a fixing boats, not bad at sailing boats, I was a disaster at ship handling.

Ship handling is the art and science of maneuvering boats to and from the pier or mooring under varying conditions of wind and current. It is an art, it is one of those things that is best learned by the young, and it is, unfortunately, an art that most Gloucester, Rockport, Essex and Manchester men have mastered. It is beautiful to watch them. The wind can be blowing 20 knots, the current can be running 6 knots the other way, there can be three boats rafted up in a tiny little channel and these guys slick those boats in there just like they had done it all their lives. Which many of them have.

That’s not me. I tense up. In fact, I end up doing a pretty good imitation of a rabbit caught in the headlights at night. All rational thought flees, all I can think of is the fact that the boat next to my slip costs more than my house, and I panic.

Fortunately, I am not alone. The mere sight of me approaching the dock seems to stir strong emotion in many of the local fisher folk, and they finally have learned to show me the courtesy of the sea. They not only help by dropping as many fenders as they have between their boat and my projected course, but they also resort to prayer. At least I think its prayer. Anyway, they mention Jesus Christ a lot, (pretty loudly).

I’ve tried. I take courses, I ask friends with boats for help. I avoid slips at the very inner end of the pier. Then I had an inspiration.

It’s easy now. I just ask my wife to dock us. She has it in the blood.



AMATEUR RADIO AND POLITICS MEAN LOTS OF PEOPLE

North Carolina’s Charlotte Observer reports that the 1,500 hotel rooms in Gaston County are solidly booked because of the Democrat Party’s National Convention and a rather famous amateur radio Hamfest. The newspaper says that the Shelby Hamfest takes place Labor Day weekend September 1st and 2nd. Meantime the 2012 Democratic National Convention is being held in the city of Charlotte from September 3rd to the 6th. And while no delegates to the convention are staying in Gaston County there are support people such as FBI agents, U.S. and foreign media and peripheral groups such as lobbyists who need places to stay. The annual Shelby Hamfest is one of the nations best attended amateur radio events. It is held at Biggerstaff Park in Dallas, North Carolina. The paper says that in 2011 about 12,800 ham radio enthusiasts from 30 states showed up. Many camped in RVs, but lots more stayed in local hotels. More on the hamfest is on-line at shelbyhamfest.com.



John Hays Hammond, Jr. built his medieval-style castle in Gloucester, MA between the years 1926 and 1929 to serve both as his home and as a backdrop for his collection of Roman, medieval, and Renaissance artifacts. The castle was constructed as a wedding present for his wife Irene Fenton Hammond to prove how much he cared for her. In addition, the building housed the Hammond Research Corporation, from which Dr. Hammond produced over 400 patents and the ideas for over 800 inventions. Second only to Thomas Alva Edison in number of patents, John Hammond was one of America's premier inventors. His most important work was the development of remote control via radio waves, which earned him the title, "The Father of Remote Control."

SEPTEMBER 2 MTR SIMPLEX NET !!!!

Brian- WO1VES will be hosting another one of his 2 MTR Simplex nets for those who are interested. This net will be held on Sunday, September 9th starting at 7:00 PM local time on the Danvers NSRA repeater frequency of 145.47 MHz with a PL tone of 136.5 . After the quick check in, stations will then move to the simplex frequency of 147.420 MHz and will see how their individual coverage varies. This information comes courtesy of CAARANET.

NZ40 MF/HF/6M PROPAGATIONS FORECASTS GO DAILY

Thomas Giella has announced that his NZ40 Medium Frequency, High Frequency and 6 Meter Radio Wave Propagation Forecast is now published on a 'daily' basis. It can be found on line at www.solarcycle24.org and www.wcflunatall.com/propagation.htm. Thomas notes that each new edition will be available at around 1300 UTC, but that there will be no daily e-mail notice about its being posted. Just check the websites for the daily updates. (NZ40)

Special Event W1T - Thacher Island Activation 2012 by Ruth-WW1N



Well we (CAARA) did it again. Larry Beaulieu of Reading (AJ1Z), Al Williams of Peabody (N1QEH), and Ruth Hodsdon of Gloucester (WW1N) activated Thacher Island this last weekend (Aug 3 – Aug 6).

Thacher's launch crew (nice to see Dave Murphy WA1HRJ again) provided the transportation. The lighthouse keepers and island volunteers welcomed us as always and did all they could to help when needed. Everything went as planned. We moved our gear into the Keeper's House, strung G5RV antennas from both the

North and South towers, set up a Buddipole antenna, and operated 3 stations. Over 300 contacts were made, most in SSB (with the sounds of seagulls in the background) and PSK and a few in CW.

Mitsu JH4IFF of Japan was looking to get a CW contact last year but no contact was made so he and members of the Thacher team have been emailing since to try to make it happen this year. Saturday morning August 4th at 7:45 on 20M using a Vibroplex paddle, the IC7000, and the G5RV from the South Tower Larry got him!

I set out on this trip to finally get my first solo CW contact and I got it on 20M using the same station as Larry and my J-37 straight key Saturday at 8:31. Contact was K4JOP, Stewart, QTH: Auburn, AL.

Al got to use a very impressive rig (put together by Stan W4HIX) as his PSK station. In short order he had it up and running and made a total of 127 PSK contacts by the end of the event. Nice to have had his experience in that mode! His contacts were logged via HRD so I won't know until later all the countries he reached but I know he got a lot of good DX and Brazil was one.

Of course on CW we got Japan. On SSB we got several Canadian contacts, Mexico, NW Ireland, Portugal, and N. Germany.

We got contacts all over the US of course from Massachusetts to Washington and Florida to Maine. Some of the contacts this weekend were from other islands and their lighthouse activations such as Newfoundland NA 27, the Mark Twain Memorial Lighthouse in Missouri, and 2 Harbor Lighthouse (MN).

We had QRP, portable, and mobile operators answer our CQ. One mobile was a guy in an 18 wheeler crossing the state line into Ohio.

CAARA members on the mainland jumped in too. Dean KB1PGH, Hank W4RIG, Joe Perry KB1VQF, Charlie N1EDN, John WA1JG, Dave KD1NA, and Ross W1RAB contacted us on HF. Dave KD1NA, one of our W1T team members, was unable to join us on the island but helped us greatly in preparing for it with his advice and by his testing coax and radios. Stan W4HIX provided us with another station when there was a last minute need. He also watched the cluster spot activity during the event. Dean posted our band/frequency changes onto CAARA and Facebook. Both Stan and Hank W4RIG provided transportation to and from the Rockport dock. Dick

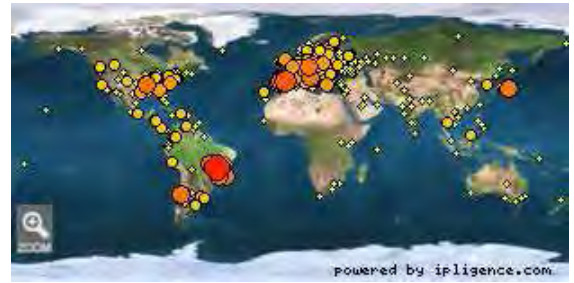


WB1W fixed the inverter problem for the solar panels on the island giving us power at the Keepers House. He also brought us coffee!

It was a pleasure to call into the NSRA (NCS- Brian WO1VES) and CAARA (NCS- Stan W4HIX) nets on 2 meters Sunday night Aug 5th (using the Buddipole configured for 2 meters, the IC7000, and the G5RV-.

Dean thank you for your assistance with the 2 meter configuration). We had a rough time gearing up for this event having to make many adjustments for the unexpected but in the end the event was a complete success and a lot of fun. More pictures of Thacher coming soon.

Ruth WW1N Thacher Island (W1T) Chair



Picture of the buddipole configured as a j-pole, using 1 5.5' whip fully collapsed and 1 at approx. 3.5 sections long that I quickly adjusted to get lowest SWR.

Here are a group photo from when we were ready to leave



CAARA works Essex Youth Triathlon !!

Several members of the Cape Ann Amateur Radio Association provided health and welfare and logistical communications for the 3rd Annual Essex Youth Triathlon which was held at Centennial Grove park in Essex, MA on Saturday August 11th 2012. CAARA works with the Essex Board of Health every year who puts on this Triathlon. This year about 100 children participated in this event. Triathlon net control was established on the national Simplex frequency of 146.52 MHz at 8:00 AM, the race started at 9:30 AM and lasted until 11:30 AM. Communication points were established on each leg of the race, the Red Cross tent and with the Essex Police Department. For this event we had 7 amateur radio operators who provided a combined total of 24.5 volunteer hours to assist the public, while using their own radio equipment. The Essex Board of Health would like to say thank you to the following hams for their help in the Triathlon.

Curtis Wright AA3JE

Stan Stone W4HIX

Dean Burgess KB1PGH

Ruth Hodson WW1N

Ron Beckly N1RJB

Nate DeWolf KB1VST

Bruce Pigott KC1US (NSRA member)



Clerk's Corner (from page 1)

December 5th. So if you would like to host a meeting please e-mail either me or Stan. Here's a quick reminder to check up on the status your CQ and QST magazine subscriptions. If your new to the ham radio hobby I would highly recommend getting a yearly subscription to both. The great thing nowadays is that you can also buy a "Digital" only subscription to these magazines for either your computer or Ipad. These digital only subscription are cheaper too, plus you can go "green" buy not having stacks of magazines all over your shack. You can get QST magazine by going to www.arrl.org and CQ Magazine by going to www.cq-amateur-radio.com. If your into public safety and shortwave communications you may want to check out Popular Communications or Monitoring Times Magazines. You may these magazines at www.popular-communications.com or www.monitoringtimes.com and you can get these on digital subscriptions as well. Here's the ham radio website to check out for September, it's www.newenglandqrp.org. Well that wraps it up for September and hope to see you all at the Annual meeting.

73

Dean Burgess KB1PGH
CAARA Clerk

NEW CHINA BUILT DUAL BAND MOBILE FOR UNDER \$225

Get ready for the first 2 meter and 70 centimeter dual band mobile selling for under \$225 including shipping. At least that's the price being quoted in an on-line advertisement from the Hong Kong-based 409 Shop for the new Baojie model BJ-UV55 dual band mobile radio. Like its Japan built counterparts, the BJ-UV55 has most of the features one expects from a basic dual band mobile. The radio features a large blue back lit LCD display that shows both frequencies programmed in at the same time. The transmitter runs 35 watts out on 70 centimeters and 45 watts on 2 meters. The manufacturer claims a receiver sensitivity of between .18 to .22 microvolts depending on selected bandwidth, 128 memory channels, both CTCSS and Digital CTCSS tone encoding, a DTMF microphone and even a built-in FM broadcast band receiver. The negative on this radio is that nowhere in the advertisement is there any mention of the Baojie BJ-UV55 being FCC certified either under Part 15 or

Part 90 making it illegal to import to the United States. Nor is there any service or repair station in the United States. That means returning a radio to the China-based manufacturer should it require maintenance. And as with any product purchased from a non-United States dealer, this can be more expensive than the price of the radio itself.

Has 2012L broken a world record?

The RSGB reports that the team at **2012L**, the amateur radio special event station for the London Olympic and Paralympic Games, believe that they have now broken the world record for the number of contacts by a Special Event Station.

It is believed the record was made by DQ2006X during the 2006 World Cup, their total made between 13 May and 16 July 2006 was 47,790 contacts. At 2142UTC on 21 August, 2012L made contact number 47,791.

The team would like to thank the thousands who have joined the pile-ups to contact 2012L and now they look forward to hitting their overall target of 60,000 QSOs. 2012L goes QRT on 9 September after the Paralympic Games' closing ceremony so there is plenty of time to work the station or get more band-slots.

<http://www.2012l.com/>

History This Week

Monday, 27 August, 2012

1666 Great London Fire begins in Pudding Lane. 80% of London is destroyed

1752 This day never happened nor the next 10 as England adopts Gregorian Calendar. People riot thinking the govt stole 11 days of their lives

1882 First district lit by electricity (NY's Pearl Street Station)

1885 Gottlieb Daimler receives German patent for a motorcycle

1887 Thomas A Edison patents Kinetoscope, (produces moving pictures)

1939 WW II starts, Germany invades Poland, takes Danzig

1945 V-J Day; formal surrender of Japan aboard USS Missouri (WWII ends)

1979 First recorded occurrence-comet hits sun (energy=1 mil hydrogen bombs)

My new APRS tracker for the Boeing 737NG by Kriss- KA1GJU

I recently purchased some 300mW APRS tracker modules from Byonics.com <http://www.byonics.com/mt-300> to reduce the size of the current system I've been using for the last 3 years. This version is significantly smaller than the current one and has slightly less output power. Here's the MT-300 (Micro-Trak 300) as shipped:



I took a small enclosure and installed the above circuit board, GPS rxr, and my homebrew voltage regulator/rectifier. To power the tracker, one would require frequent changing of batteries. I simply remove the lamp from the aircraft's brief case light, and insert mine... which is the base of a bulb, but soldered to it are the power leads to the tracker. Since this lamp has a dimmer built in and runs on 0 to 28V AC at 400Hz, I have to rectify the AC and filter it. Then regulate it to 12V DC. My 'bulb' has a wooden dowel hot glued into it and the power leads are run through a channel cut in the dowel. Heat shrink tubing is applied over the dowel to keep everything tight.



Since the GPS needs to be looking up, and the unit is held against the windscreen with a suction cup, I glued the GPS to the box and also some yellow styrofoam, to keep it from breaking loose inside the box. The MT-300 is mounted edgewise to allow room for the power supply/rectifier circuit. Small holes are drilled in the box to check on the status LED's on the GPS and the MT-300 for trouble shooting.



The red push button switch on front is my manual 'push to send position report' switch. While on 17M HF operating aeronautical

mobile, I can push the button and force a position report for an up to the second position plotting. The website for following along

is: <http://aprs.fi/#!mt=roadmap&z=11&call=a%2FKA1GJU-6&timerange=3600>

Usually once at cruise altitude, I'm listening to 17M, usually near the top end unless it's busy.

73 de Kriss KA1GJU

Note: Kriss is a commercial pilot, tower climber for many NH repeater systems, a great cook, a regular on 3864 SSB, and someone I have gone on numerous camping/hamming trips in New England....Jon- K1TP

BOXBORO 2012



A few members of CAARA attended the Boxboro Fleamarket and setup a fleamarket table and sold over \$400.00 worth of surplus club equipment which was added to the club treasury. Stan-W4HIX, Dean-KB1PGH, and Hank-W4RIG setup the portable tent and represented CAARA and did a great job.

In the photo above you can see club member David Robinson “selling” Elecraft products to prospective owners. Dave owns a K3 and KX3 and loves both of them.

I saw Dick-WB1W, Dick-KR1G, and Rick-WZ1B taking in the exhibits on my travels around the indoor vendor area. It sure was not as busy as it has been in past years, but nor is NearFest for that matter, but I guess it is a sign of the times and the older age of us hams! I did not see but a handful of young hams all day Saturday at the event.

BOXBORO 2012





BOXBORO 2012





New transceiver from ICOM the IC-7100. A HF/ VHF/ UHF transceiver with touch screen and D-Star and 4 meter also

FCC RELEASES TEXT OF ITS R&O IN IMPEDIMENTS TO HAM RADIO

The FCC has released its long awaited report to Congress into the uses and capabilities of Amateur Radio Service communications in emergencies and disaster relief operations. It also delves into the existence of impediments to this aspect of personal communications. Amateur Radio Newline's Don Carlson, KQ6FM, has the details: — Don't look for Congressional action to override private land use restrictions more commonly known as Conditions Covenants and Restrictions or CC&R's even if hams believe that these restrictions hamper them in times of emergencies. This is because in its report to the legislative body, the FCC says that, in its view, such restrictions do not constitute a significant impediment to ham radio or those in the United States amateur radio service. In its report, the FCC noted that some of what it calls "commenters" recommend that CC&Rs be preempted if they prohibit antennas that are within certain limits. Others suggest that private land use restrictions on amateur antennas should be permitted only for safety considerations, and not for aesthetic reasons. However, another group believes that it is not necessary to preempt private land use restrictions in order to promote amateur emergency communications. This, given the ways that even amateurs subject to CC&Rs can communicate effectively and the nature of

amateur emergency communications. Moreover, while commenters suggest that private land use restrictions have become more common, the FCC's says that its own review of the record does not indicate that amateur operators are unable to find homes that are not subject to such restrictions. Therefore, at this time, the Commission does not see a compelling reason for it to revisit its previous determinations that preemption should not be expanded to CC&Rs. In relation to other impediments, the Commission says that it has already preempted state and local regulations that do not reasonably accommodate amateur radio communications and do not represent the minimum practicable regulations to accomplish the local authority's legitimate purpose. The Commission says that it has also addressed regulations regarding possession and operation of amateur radio equipment while driving. These are state and local laws that prohibit cellular telephone and texting devices and are many times very broadly written as to catch hams, CB operators and even commercial radio users into a confusing maze of legal webs. And as to any FCC rules that may be an impediment to the various technical aspects of enhanced - read that as digital amateur service emergency communications, the FCC believes that these matters can be considered through the Commission's rulemaking process. Consequently,

it does not believe that Congressional action is necessary to address that issue either. On the other side of the coin, the FCC notes that the ham radio community and the emergency response and disaster communications communities all agree that amateur radio can be of great value in emergency response situations. The regulatory agency notes that amateur radio carries with it a wide range of advantages that allow it to supplement other emergency communications activities during disasters. This says the FCC, has been demonstrated time and again in a wide variety of emergency and disaster situations including Hurricane Katrina. But at this point the regulatory agency sort of contradicts itself regarding CC&R's, albeit it may not have noticed its own mistake. Here, the FCC notes that amateur radio emergency communications require not only stations in a position to originate the emergency message, but also as an alternative to the commercial communications infrastructure impacted by the emergency. This alternative infrastructure is the network of amateur radio operators and their stations that relay messages, build and maintain repeater stations and repeater networks, operate High Frequency message networks to send messages greater distances than are practical with mobile or transportable transmitters, and develop new technologies to improve the reliability of these networks. As such, the FCC contends that this value could potentially be increased, through cooperation among Department of Homeland Security, public safety, emergency management, and amateur radio emergency communications associations and groups to develop future training protocols. But what the FCC fails or refuses to address is how radio amateurs living with CC&R's that restrict or outright forbid antennas can possibly pass along emergency traffic using the High Frequency bands. It's not likely that a long wire or dipole hidden in a hams attic is going to break through to any emergency net or pass traffic under adverse conditions. Operating effectively on the High Frequency bands requires decent outdoor antennas hung in the clear and this is something that the FCC fails to address in this section of its report. Finally, the FCC recommends that the Department of Homeland Security work with state, local, and tribal authorities to develop disaster area access policies and qualifications for trained amateur operators who provide emergency communications support. The only question here is how you get the attention of these agencies, many of

whom consider themselves autonomous are not interested in assistance from the public at large. For the Amateur Radio Newslines, I'm Don Carlson, KQ6FM in Reno. — You can download and read the entire 15 page FCC accounting to Congress at tinyurl.com/FCC-To-Congress-Report. It's written pretty much in plain language and might well make an excellent program for radio clubs and on-air discussion nets. This is because it could easily set precedent in regulation of the United States Amateur Service for decades to come. (FCC)

JOEL KLEINMAN, N1BKE, S-K Ham radio has lost one of its most ardent supporters with the untimely passing of QST Managing Editor Joel Kleinman, N1BKE, who died in a house fire on Saturday, August 18th. Amateur Radio Newslines Mark Abramowicz, NT3V, has the details on this truly sad moment for all of us: — Neighbors of the Kleinman family were first to discover the fire that claimed the life of Joel Kleinman and left his widow, Jayne, hospitalized. According to several news accounts, the fire inside Kleinman's Meriden, Connecticut home was pushing out heavy smoke when neighbors discovered it and some of them raced into the burning dwelling. Reports say they first pulled out Kleinman's wife, Jayne, who was already unconscious and is hospitalized at MidState Medical Center. Investigators say the rescuers saved her life. But news accounts quote the neighbors who were involved in the daring and dangerous action as saying the heavy smoke prevented them from reaching the second floor where Joel Kleinman was found by firefighters. The medical examiner says the 64-year-old Kleinman died of smoke inhalation and he ruled the death accidental. Joel Kleinman had been the managing editor for the American Radio Relay League's QST magazine since 2001. But his history with the ARRL goes all the way back to 1976 when he was hired by the organization to target young people with science, and amateur satellites. A graduate of the University of Montana with a journalism degree, Kleinman - who didn't have a ham license at the time - embraced the role. It didn't take long for his ARRL bosses to recognize his skills and he quickly moved into the operations of QST where among the jobs he held was editorial assistant and features editor. By 1988, Kleinman was promoted to book team supervisor for ARRL's publications and other media. His return to QST as the top boss a few years later, clearly was a recognition by the ARRL

management of his value to the monthly publication that reaches thousands of amateurs every month. QST Editor Steve Ford, WB8IMY called Kleinman: "...the quiet man behind the scenes, shouldering much of the burden that comes with creating 164 pages of new content every month. Joel set a high standard for all who may follow him." _ ARRL President Kay Craigie, N3KN issued a statement: "With the passing of Joel Kleinman, N1BKE, we have lost not only a respected professional colleague, but also a friend." _ Kleinman was the former president of the Newington Amateur Radio League and was a member of the Quarter Century Wireless Association.

N1Y TO COMMEMORATE THE 9/11 2001 TERRORIST ATTACKS

Members of the Symbol Technologies Amateur Radio Club will once again be operational as N1Y on September 8th and 9th. This in commemoration of those who lost their lives in the September 11th, 2001, al Quida lead terrorist attacks that felled the twin towers of the World Trade Center in New York City. N1Y will be operating on 40, 20 and 15 meters using CW and SSB, in the General portions of those bands. A special QSL may be had by sending a SASE to W2SBL at the address found on QRZ.com.

(Southgate) ** **WORLDBEAT: HAM ROAD RALLEYER REACHES MONGOLIA** Despite a small war in Tajikistan, a pair of road rally enthusiasts have reached Mongolia. Neil Melville, PA9N, and Helen Woolnough, driving their 9 year old 1.1 liter Fiat Panda are taking part in the Mongol Rally where participants drive, in no more than six weeks, from the United Kingdom to Ulaanbaatar in Mongolia, using a thoroughly unsuitable car of 1.2 liters or less. Woolnough and Melville's entry is called The Uncertainty Principle and they started on their epic journey from the UK on July 14th. On Sunday, August 19th their location was given as 46.37 North and 96.25 East placing them near their goal. The pair are driving the race to raise money for the Lotus Children's Centre Charitable Trust and UNICEF. By the time the event ends, they will have covered more than 10,000 miles through 19 countries, with no outside support. Over the years PA9N has given many presentations to the AMSAT-UK International Space Colloquium in Guildford, England. His first spacecraft project was the eXpress- OSCAR 53 satellite better known as XO-53. Here on Earth you can follow their route and blog at theuncertaintyprinciple.co.uk. (Southgate) **

WORLDBEAT: THE BBC TO TEST TURNING OFF MEDIUM WAVE TRANSMISSIONS

The British Broadcasting Corporation is undertaking a five week trial of switching off existing Medium Wave services for four BBC local radio stations. The experiment runs from the 17th of August to the 24th of September and affects BBC Radio Kent, BBC Radio Lincolnshire, BBC Radio Merseyside and BBC Radio Nottingham. The BBC say one way to make savings and preserve value to licensee fee payers is to switch off Medium Wave services except where listeners depend upon Medium Wave as an alternative to FM or Digital Audio Broadcasting. Medium Wave services in the UK mainly duplicate what is already available on FM and DAB, and most listeners will be able to hear their local stations on FM. Medium Wave is a European term that describes what we call the AM broadcast band here in the United States. The BBC notes that the aim of the trial is to get a better understanding of the impact of the loss of Medium Wave would have on its core listeners and also enable the broadcaster to ensure adequate coverage is available on other platforms in these regions. (BBC)

MARS ROVER GETS SOFTWARE UPDATE

NASA's Mars Science Laboratory at JPL team has sent a software update to the Curiosity Rover on Mars, more than 160 million miles away. According to Venturebeat dot com, the software had to be updated because Curiosity needed different directions to drive around on Mars than it did to land on the planet's surface. The computer hardware in the Curiosity Rover is powered by a pair of computers built by BAE Systems. These RAD750 computers use a 10-year-old IBM PowerPC microprocessor running at a relatively slow 132 megahertz. These machines also have only 120 megabytes of random access memory, but are built to withstand wild temperature swings, radiation, and physical shaking. The drawback is that the computers on the robot vehicle did not have enough memory for both the landing and its surface missions. So NASA had to swap out the software over four days of communication through the void of space. It took so long because it takes about 14 minutes to send the signal to the rover and another 14 minutes to get a response back. (Venturebeat.com)

Hams to Put Nine Azorean Islands On the Air in One Weekend

08/28/2012

Stretching over a distance of 305 miles from east to west, the nine populated islands of the Azores count for a single DXCC entity and three IOTA groupings. A group of radio amateurs from eight countries and the Azores will be putting these islands on the air September 28-30 for the [Azores 9 Islands Hunt](#), offering an opportunity for the world to contact these nine islands during one single weekend.

Throughout the world Amateur Radio has played an important role in providing communications during disasters and emergencies for more than 100 years. The team gathering in the Azores for the Azores 9 Islands Hunt will also be promoting the role of Amateur Radio disaster communications. While the Azores enjoy year-round nice weather, the islands are not immune to natural disasters. The Azores are situated on three of the largest tectonic plates, making the islands susceptible to powerful earthquakes. In recent years, heavy rains have created mudslides severely impacting the infrastructure and resulting in evacuations.

This 24-hour operating event is scheduled for Saturday, September 29 at 1200 UTC to September 30 at 1200 UTC. According to organizers, the stations will be active starting Friday, September 28 as soon as they become operational. The stations plan to be operating 40, 20 and 17 meters on CW and SSB as follows:

- CW: 7.000-7.015 MHz; 18.080-18.090 MHz; 14.050-14.065 MHz
- SSB: 7.175-7.195 MHz; 18.120-18.135 MHz; 14.250-14.275 MHz

The following islands and stations will be on the air:

- Santa Maria: CU1ARM
- San Miguel: CU2ARA
- Terceira: CU3URA
- Graciosa: CU4ARG
- Sao Jorge: CU5AM
- Pico: CU6GRP
- Faial: CU7CRA
- Flores: CU8ARF
- Corvo: CU9AC

All QSOs will be confirmed with special full-color cards through via the bureau network. Direct QSL requests should be made via Jose Melo, CU2CE.

Prizes will also be awarded. Please visit the Azores 9 Island Hunt [website](#) for more details.

The project is organized by the Azores-Finland Friendship Consortium, in partnership with the Amateur Radio Associations of the Azores Islands.....**courtesy ARRL**



JVC KENWOOD Corporation is proud to announce that the prototype of a state-of-the-art Amateur transceiver scheduled for worldwide launch under the KENWOOD brand in the winter of 2012 will be unveiled as a reference exhibit at Dayton Hamvention 2012 to be held in Dayton, Ohio, USA (May 18-20).

Prior to the launch of the TS-990, a prototype will be displayed as a reference exhibit at Dayton Hamvention 2012 in Dayton, Ohio, USA (May 18-20), at HAM RADIO 2012 in Friedrichshafen, Germany (June 22-24), and at Ham Fair 2012 in Tokyo, Japan (August 25-26).

Please note that as this product is under development, published information is subject to change without notice.

Kenwood's new TS-990S raises the bar of HF performance and DX operating ease in more ways than one. The dual display and dual watch function will give you the edge in DX contesting.

Main features: Frequency Range HF + 50 MHz, Output power: 5W-200W , Mode: SSB, CW, FSK, PSK, FM,AM , Built-in Switching Power Supply , Built-in Antenna Tuner , Com ports: USB A/B port and LAN port. Also Dual TFT Display and Dual Receiver.

Pricing and availability has not yet been announced for North America. The information shown is preliminary information and subject to change without notice or obligation.

I am proud to have been selected to be a beta tester for an offset center wire antenna designed by a friend who designs antennas and gear for a large company in MS. I will write a review in the near future. K1TP



Shortwave broadcasters have vacated 7.1 - 7.2 MHz and SSB operators around the world are jumping in to enjoy superb DX. Now, you can join the fun with the XXXXX. Simply install it in place of your 75-Meter dipole and add the versatility of a potent full-wave 40-Meter DX array. You'll have no problem spanning the globe with its low takeoff angle and added gain – plus you'll get great local communication on 75 Meters with 300 kHz of bandwidth and rock-bottom SWR. No tuner needed for either band, just hook up the coax and flip the band switch. It's a great way to upgrade your station and explore yet another exciting aspect of ham radio!

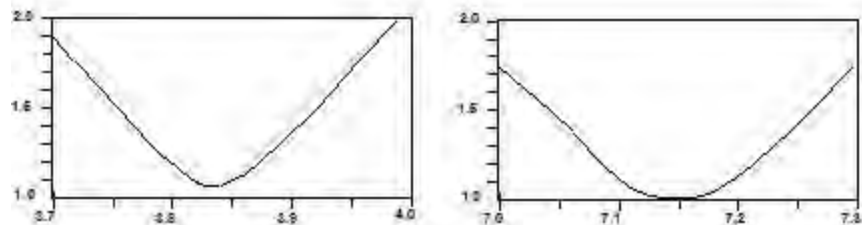
The XXXXXX is engineered from the ground up to add convenience and value to your station!

Here are some of the innovations that set it apart from other OCFDs:

Frequency Compensated: Normally, an OCFD cut for 3.85 MHz would resonate on 7.7 MHz, not 7.15. However, the XXXXX has a unique built-in frequency compensation component that allows it to hit both bands dead center!

Adjusted for Ground Proximity: Electrically low mounting heights on 75 Meters can upset OCFD matching for that band. The XXXXX matching system compensates for close ground proximity to deliver the lowest SWR possible.

Accurate Match: The exclusive Match-Maker™ network features a revolutionary light-weight impedance transformer that delivers the precise ratio needed right at the antenna.



Built-in Balun: The Match-Maker™ balun gives you over 30-dB of S21 common-mode rejection right at the feed point to suppress RFI from being radiated or picked up on your coax.

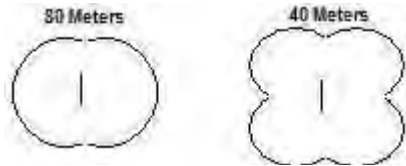
Instant QSY: Jump between bands without the hassle of flipping switches or readjusting a tuner (see SWR plots).

Great Patterns: On 75 Meters, the XXXXX works exactly like a center-fed dipole, providing great regional coverage with a near omni-directional pattern. On 40, it favors DX – with a wide cloverleaf pattern, 40 degree takeoff angle, up to 9 dBi peak gain, and a moderate overhead null to reduce local QRM.

Maximum Legal Power: Go ahead and turn on the amp, the XXXXX has been tested extensively at 1500-Watts PEP on both SSB and CW.

Rugged Construction: The tough UV-resistant Marine ABS feed block is pull-tested at over 200 pounds to take on nasty weather. Comes with a hard-shell matching network cover and all-stainless hardware.

Easy Installation: Comes cut to length and fully assembled. Length is 122 feet and recommended mounting height is anywhere between 35 to 70 feet. Just unroll it, connect the coax of your choice, and install in place of your present 75-Meter dipole.



COMING SOON!
MANUFACTURER: YAESU
MODEL: FT-1DR

FT1D Digital Portable Transceiver is the first Amateur Radio Dual Band Digital/Analog Transceiver employing advanced C4FM FDMA digital technology that opens the door for thrilling entirely new digital communication features. A new era of Digital Communications in Amateur Radio begins NOW with the introduction of the Yaesu FT1D Handheld Transceiver.

Pricing and availability has not yet been announced for North America. The information shown is preliminary information and subject to change without notice or obligation.



The new FT DX 3000 HF+50 MHz 100 Watt Transceiver is another exciting new product that is certain to capture the hearts of determined DXers and Contesters as well as Casual operators looking for solid communications. Using the newest down conversion and sharp edged crystal roofing filter technology, this fabulous radio attains outstanding receiver performance inherited from Amateur Radio's leading HF radio; our proud FTDX5000. The market has been waiting for a reasonably priced transceiver that takes a major performance leap forward – the FT DX 3000 is that feature filled compact radio package.

Pricing and availability has not yet been announced for North America. The information shown is preliminary information and subject to change without notice or obligation.





CAARA member and Red Cross volunteer Ron Beckly-N1RJB with Red Cross volunteer Lou Harris-N1UEC in back of the Red Cross DSTRV



**Red Cross DSTRV at
Boxboro by Dean-KB1PGH**

I know you've all seen the Red Cross Emergency Resonse Vehicle or ERV at CAARA's field day exercises but did you know that the Red Cross also has a DSTRV? The DSTRV stands for Disaster Services Technology Resource Vehicle. The DSTRV is a refurbished 1984 bloodmobile and the project started in late 2011 to create a Disaster Operations Center on wheels. Lou Harris-N1UEC began the project with the help of a local ham group (EMARG) and the Mansfield airport. The primary mission of this vehicle is to support emergency management

officials in the early developing stages of a disaster as it grows from a small operation to a large scale disaster relief operation or (DRO). Some of its abilities are flexible AC power options including shore power, generator switching and distribution, 3 comfortable work stations for (DRO) staff and it is self sufficient for at least 12 hours. It also contains, mobile and portable ham radios, a UHF ham repeater 8 cellphones, 1 UHF GMRS repeater, 1 wireless bridge, 1 wireless router, 3 network switches, 18 wired network ports, 2 hotspots, 1 desktop PC and 5 laptops a 5000 watt generator and a 3000 watt inverter. The DRV and DRO mission is to support the DRO with the best possible technology tools and customer service to the direct service functions so that rapid quality service to the clients can be provided. The vehicle, its conversion and all equipment were donated to the American Red Cross. For more information or questions please e-mail Lou Harris at louis.harris@redcross.org.