

The Oscillator

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Upcoming Events

September Meeting - Friday, September 21st at the Hazel Crest Village Hall at 8 PM. Scheduled was a program on tug boats by Pete N9OWQ but it is not known if this will happen due to his recent illness. If Pete is unable to give his presentation, Bruce WD9GHK and Todd KA9IUC will give a presentation on old and new handy-talkies.

Annual Picnic - This year's picnic will take place on Sunday, September 30th starting at 2 PM. It will be held at Tom Gunderson's, W9SRV, QTH. Please see the Club's web site for directions. The cost will be \$5 per person, which includes a raffle ticket. Those attending will bring their own chairs and a dish to share. The dish can be an appetizer, salad or dessert. Contact Todd KA9IUC by September 21st to make your reservation.

October Meeting - Friday, October 19th at the Hazel Crest Village Hall at 8 PM. Lee Jones will give a presentation on 911 Dispatching and Fire Departments.

Club board meetings - held the second Monday of each month, 7:30 PM at the Bunker. All members are invited to attend.

Field Day 2012 Update

The ARRL has acknowledged receipt of Tri-Town's submittal of our Filed Day efforts. Field Day was reported on in detail in the last Oscillator but as a short review we submitted a claimed score of 2672. Thanks again to all that participated.

From The Board Room

By Todd, KA9IUC

With the passing of Labor Day, summer is over and we enter the fall season. We had a lot of great activities the past summer with more to come during the fall. Besides our regular meetings, we have our annual picnic September 30th and a possible Jamboree on the Air operating session. If you are planning on attending the picnic, please make a reservation. Thanks to Randy, KB9LIL for stepping up to be a control operator for the Wednesday night net. Randy is control operator for two nets a month but another volunteer would be good to share the workload. At our July Bunker operating session, it was discovered that we did suffer some storm damage. The A99 vertical antenna on the tower was destroyed and the Ten-Tec HF rig is permanently on. Work is in progress to replace the A99 antenna but it will not be tower mounted. This was the third A99 to be damaged. The club's finances have been discussed previously and the Board continues to discuss this matter including a possible dues increase for 2013. Your continued support by membership, buying raffle tickets and donations to the refreshment fund all help. While still a few months away, please keep in mind that nominations for 2013 officers will take place in November and elections in December.

We need your Membership!

**Membership supports the Club Station, The Club Repeater, The Website,
The Oscillator, and many Club Activities!**

Officers, Board Members, & Committee Heads for 2012:

Tom Niemeyer AB9LA	President	708.672-5844	tom1485@sbcglobal.net
Matt Schumann N9OTL	VP, Raffle Chairman	708.423.7066	mattschuman@yahoo.com
Jim Everand WD9GXU	Secretary	708.748.6798	None @ No I' dont have one
Trish Jaggard N9WDG	Treasurer	708.957.1973	the_jaggards@sbcglobal.net
Todd Schumann KA9IUC	Chairman of Board	708.423.7066	tschum3063@aol.com
Bill Mullen, AB9RM	Director	708 754-4525	AB9RM@ATT.NET
Tom Gunderson W9SRV	Webmaster, W9VT	815.466-0245	webmaster@w9vt.org
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Members of the Tri-Town Radio Club Inc. publish the Oscillator 6 times a year. Opinions expressed are not necessarily those of the Officers or members of the Tri-Town RAC, but of the contributors. All articles may be reprinted as long as full credit is given. Other publications are asked to reciprocate their newsletter. Some Articles printed here are from AMSAT, ARRL Letter, TAPR, World Radio, QRZ and Other Amateur Radio Publications.

Club Meetings & Nets

Club meetings are the **3rd Friday** of each month at the **Village of Hazel Crest Village Hall**, 170th and Holmes. All are welcome and refreshments will serve. Don't forget to bring a Friend.

Official Club 2 Mtr hangouts:

146.49 Simplex, & The Club's Repeater 146.805 WD9HSY/R

Unofficial Club Hang Outs:

442.375 Homewood, 441.300 Grant Park WA9WLN/R, "Waldofar"
443.325 Frankfort WD9HSY/R & 147.165 Kankakee Co. WD9HSY/R
All UHF's use a 114.8 PL All VHF's use a 107.2 PL

Club Nets

2 Mtr FM 49'ers Net - Wed, 8:00 PM Local, on **The Club's Repeater** 146.805 -600kc 107.2 PL

10 Mtr SSB Net - Thursdays, 8:00 PM Local, 28.490.

2 Mtr FM Weather Net - Sundays, 8:00 PM local, on **The Club's Repeater** 146.805 -600kc 107.2 PL

Upcoming Local / Major Hamfests

SEPT 15 (Sat Only)	RADIO EXPO	Belvadere, IL	CFMC
SEPT 14 - 15	W9DXCC	E. Grove, IL	Northern Illinois DX Association
SEPT. 22	Peoria Superfest	Peoria, IL	Peoria Area Amateur Radio Club

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Ham Radio Classes Forming Now!

Classes begin on September 27 at 7 pm

Hamfesters Radio Club will be holding an 8 week course to learn everything you need to earn your General Class FCC Amateur Radio License.

The General license is your gateway to the world-wide excitement of Amateur Radio and expanded operator privileges.

Tinley Park Emergency Management Agency, lower level
17355 S. 68th Ct; Tinley Park, IL 60477

Visit our web site for more information and location details. www.hamfesters.org

Registration is required. To join, contact:
Brian Davis, W9HLQ 708/532-5833 or w9hlq@hamfesters.org

This class is being taught with the support of the **Tri-Town** and **Stars Radio Clubs**.

Boy Scouts of America and Morse Code

The Boy Scouts of America have a uniform patch known as an interpreter strip. This strip can be worn when a person knows a foreign language. The strip will state which language you are able to communicate in. They have announced a new strip for those who know Morse Code. The requirements for the strip are carry on a 5 minute conversation in code at a speed of at least five words per minute, and copy correctly a 2 minute message sent in Morse at a minimum of five words per minute, and send a 25 word written document in code at a minimum of five words per minute. As you may have guessed, the patch spells out the word Morse in code characters.

Jamboree On The Air

The 55th Boy Scout Jamboree On The Air is October 20-21, 2012. The official hours are from Saturday at 00:00 hours local time to Sunday 24:00 hours local. The purpose of JOTA is to expose scouts to amateur radio and to link scouts locally and around the world by amateur radio. All modes can be used but AM, FM, PSK and SSB are the most popular. Suggested frequencies are

:

80M 3.920-3.940 MHz

40M 7.180-7.200 and 7.270-7.290 MHz

20M 14.270-14.290 and 14.320-14.340 MHz

17M 18.140-18.150 MHz

15M 21.360-21.400 MHz

12M 24.960-24.960 MHz

10M 28.350-28.400 MHz

6M 50.160-50.200 MHz

Please contact a club officer if you know of any scouts who would like to participate in JOTA and the bunker and staff will be available for the event. The September issue of QST has an article on JOTA.

Check out the Club Website: WWW.W9VT.ORG

Hams Heed the Call to Help As Isaac Makes Landfall

Seven years to the day that Hurricane Katrina smashed into New Orleans, Hurricane Isaac came calling. But instead of making landfall right at New Orleans like Katrina (a Category 3 storm) did on August 28, 2005, Isaac veered slightly to the west of the city. Through it all, hams at WX4NHC -- the Amateur Radio station at the National Hurricane Center (NHC) in Miami, Florida -- and those supporting the Hurricane Watch Net (HWN) and the VoIP Hurricane Net, along with various nets within the ARRL's Delta Division, relayed reports to their served agencies on Isaac's progress and the damage the storm created in its wake.

Broadway said that the HWN was activated a total of 47 hours for Isaac, including a 31 hour continuous activation during the storm's path toward landfall: "We are extremely grateful for those operators who provided reports and for those who showed us great courtesy by moving off frequency, or just allowed a clear slot for us to use. Thanks also to the nets that regularly used these frequencies for accommodating us."

Isaac continues to weaken as it tracks to the northwest over Louisiana, and could be downgraded to a tropical depression on Thursday, August 30. Since Isaac is moving very slowly, the storm will continue to produce floods, rainfall, isolated tornadoes -- especially in Mississippi, Eastern Louisiana, Southeastern Arkansas, Southern Alabama and the far Western Florida Panhandle -- and gusty winds.

According to the NHC, Isaac should steadily weaken over the next 48 hours as it continues to move over land, and should become a tropical depression by Thursday night. At 8 AM (EDT) on Thursday, August 30, Isaac's center was located about 35 miles southeast of Alexandria, Louisiana and about 125 miles northwest of New Orleans. According to the NHC, Isaac is a slow moving storm with a speed of about 8 miles per hour. Isaac should make a turn to the north-northwest, moving over Louisiana later on Thursday, followed by a turn to the north toward Arkansas on Friday, August 31 and then move over Southern Mississippi that night.

Even though Isaac and Katrina landed approximately in the same place and at the same time, though seven years apart, according to the Associated Press (as reported in The Miami Herald), the storms are quite different:

Maximum Sustained Winds

Katrina: Hurricane Katrina made landfall on August 28, 2005 as a Category 3 storm with maximum sustained winds near 125 miles per hour.

Isaac: A Category 1 storm, Isaac had maximum sustained winds near 80 miles per hour as it came ashore in Southeast Louisiana on August 28, 2012.

Size

Katrina: Katrina was a large storm with hurricane force winds extending outward up to 125 miles from its center.

Isaac: Isaac has been much less organized with a less-defined eye. As it neared Louisiana's coast, Isaac's hurricane-force winds extended outward only about 60 miles from its center.

Storm Surge

Katrina: The 2005 storm brought devastating storm surge of 15-20 feet as it came onto land.

Isaac: The worst of Isaac's storm surge was about 6-12 feet.

Evacuations

Katrina: Evacuation orders were issued for millions around the region -- including the city of New Orleans -- ahead of Hurricane Katrina. Many did not heed the evacuation order and later had to be rescued from flooded homes.

Isaac: As the storm closed in, tens of thousands were told to evacuate. Some decided to leave, while others have decided to hunker down and ride out the relatively weaker storm.

2012 ARRL Field Day Logs Posted

More than 2600 submissions have been received for the 2012 running of ARRL Field Day. According to ARRL Field Day Manager Dan Henderson, N1ND, this is another great showing for the number of entries received for what is one of Amateur Radio's most popular on-the-air operating events. The combined list of Logs Received for Field Day has been posted online. The list includes all logs submitted via the www.b4h.net/ website, as well as those submitted via e-mail and US Mail.

Because Field Day is not a "Cabrillo-format" event, there is no automated robot for processing entries. When you go to the website to see if your submission was received, look near the bottom of the page under "Other Reports." Click on the link to open the PDF for the 2012 listings. If you find your listing is missing, please contact Henderson via e-mail or by phone at 860-594-0200. If you find a typographical error in your listing -- or if your log is marked as a "Checklog" -- please contact Kathy Allison, KA1RWY, via e-mail. Logs marked as "Checklog" indicate that required information is missing that is still needed to properly process your entry. All problems must be resolved by Friday, August 31.

Henderson explained that the current list only shows general categories; the various sub-categories are added when the data is merged into the master database. Claimed scores or bonuses are also not included, as these are not publicized until the results are officially released. The results from the 2012 ARRL Field Day will be posted online on or around November 1, as well as in the December issue of QST. The 2013 ARRL Field Day is scheduled for June 22-23.

Solar Update

Tad "Everything under the Sun is in tune, but the Sun is eclipsed by the Moon" Cook, K7RA, reports: Although solar activity is quite low, there was an increase in sunspot numbers and the solar flux over the past week. The average daily sunspot numbers were up nearly 20 points -- about 36 percent -- to 74.1, while the average daily solar flux increased nearly 13 points to 108.7. The latest forecast has activity over the next week a bit lower than what forecasts predicted a few weeks ago:

Expected solar flux is 115 on August 30, 120 on August 31-September 2, 115 again on September 3-8, 110 on September 9-10, 105 on September 11-12, 100 on September 13-16, 95 on September 17-22, and then rising above 100 to a peak of 125 on September 26-28. The predicted planetary A index is 5, 10 and 8 on August 30-September 1, 5 on September 2-7, 8 on September 8-9, 5 on September 10-14, 12 on September 15-16, 8 on September 17-18, 5 on September 19, 8 on September 20-21, 10 on September 22, and 8 on September 23-25, followed by 5 on September 26 through the first few days in October.

Look for more on the ARRL website on Friday, August 31. For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page. This week's "Tad Cookism" is brought to you by Pink Floyd's The Dark Side of the Moon (Brain Damage/Eclipse).

DXCC Desk Approves 1998 XU1A Cambodian DXpedition

After reviewing new information and documentation, the ARRL DXCC Desk has concluded that the 1998 XU1A DXpedition to Cambodia will be valid for DXCC credit. If you have had QSLs rejected for this operation, please send a request via e-mail to be placed on the list for update. If you remember the submission in which you included the QSL, please note this in your e-mail, as it will expedite the search for the rejected QSO.

Check out the Club Website: WWW.W9VT.ORG

VHF Fun in the 2012 ARRL September VHF QSO Party

September is here -- and according to ARRL Contest Branch Manager Sean Kutzko, KX9X, the VHF+ bands have been getting a workout: "If you've never experienced the fun of VHF+ operating, the 2012 ARRL September VHF QSO Party the weekend of September 8-10 is a great place to start. With many HF radios now offering at least 6 meter SSB/CW capabilities -- and some offering 2 meters and 70 cm as well -- any amateur with a Technician class license or higher can experience long-haul communication on the VHF bands."

Kutzko explained that September -- as opposed to June with its sporadic-E openings -- is known for good tropospheric propagation. "In the past week, there have been some good tropo openings in the mornings on 2 meters along the Eastern seaboard and in the Midwest. There's even been a touch of sporadic-E propagation on 6 meters this week, primarily in the western half of the US. Couple the recent openings with talk among the VHF Hopeful of some F2 propagation on 6 meters (due to the upswing of Solar Cycle 24), and the potential for enhanced propagation during the contest looks favorable."

While there will be some contest activity on FM simplex -- especially near large population centers -- Kutzko said that most long-distance VHF+ QSOs are conducted on CW or SSB, which means you need to use horizontally polarized antennas: "A dipole for 6 meters is only 9 feet, 4 inches long, and is an easy construction project," he explained. "Try to get the dipole in the air as high as possible, but even 15 feet off the ground will make some QSOs. If you have an antenna tuner that can handle 6 meters, you can try loading up another of your antennas on 6 meters with reasonable success. For 2 meters and 70 cm, a horizontal loop will work nicely for SSB and CW contacts." But remember: SSB and CW QSOs use horizontally-polarized antennas, while FM uses vertical polarization. You can find plans for simple VHF antennas at the Technical Information Service area of the ARRL Web site, in the Antennas chapter of The ARRL Handbook, or in the VHF and UHF Antenna Systems chapter of The ARRL Antenna Book.

Because VHF+ antennas are relatively small, Kutzko said that many amateurs operate from portable locations, such as a hilltop or a campground. "Find some high ground and put up an antenna; you'll be amazed at the difference operating from a high-terrain locale will make," he said. "Others operate the contest as a 'rover,' operating from their car or truck while transmitting from multiple grid squares over the contest period. Tracking rovers during the contest is almost as much fun as the contest itself."

Activity will be centered on 50.125, 144.200, 222.100 and 432.100 MHz. These are the calling frequencies; it's bad etiquette to monopolize them. But Kutzko said that most SSB activity will take place between 50.125-50.250 MHz, and CW between 50.100-50.080 MHz. If conditions are exceptional, you may even hear signals above 50.250. But Kutzko advised that the frequencies between 50.100-50.125 MHz are a "DX Window," meaning it is reserved for QSOs between W/VE and DX stations, so please do not make stateside-to-stateside QSOs in that range.

The 2012 ARRL September VHF QSO Party runs from 1800 UTC Saturday, September 8 through 0300 UTC Monday, September 10. Complete rules and entry forms may be found [here](#). All logs must be e-mailed or postmarked no later than 0300 UTC on Wednesday, October 10, 2012. While electronic logs are preferred, paper logs can be sent to September VHF Contest, ARRL, 225 Main Street, Newington, CT 06111.

Upcoming RadioSport

September 7-8	PODXS 070 Club Jay Hudak Memorial 80 Meter Sprint (local time)
September 8-9	Arkansas QSO Party; WAE DX Contest (SSB)
September 8-10	ARRL September VHF QSO Party
September 9	North American Sprint (CW); SKCC Weekend Sprintathon; Swiss HTC QRP Sprint
September 10	NAQCC-EU Monthly Sprint
September 12-13	CWops Mini-CWT Test

Upcoming ARRL Section, State and Division Conventions and Events

September 14-15	W9DXCC Convention, Elk Grove Village, Illinois
September 15	ARRL Virginia Section Convention, Virginia Beach, Virginia
September 22	ARRL Washington State Convention, Spokane Valley, Washington
September 22-23	ARRL Illinois State Convention, Peoria, Illinois
September 28-29	SEDCO/W4DXCC VIII Convention, Pigeon Forge, Tennessee
October 12-14	ARRL National Convention, Santa Clara, California
October 13	ARRL Iowa State Convention, Sergeant Bluff, Iowa
October 13-14	ARRL Florida State Convention, Melbourne, Florida
November 3-4	ARRL Georgia State Convention, Lawrenceville, Georgia
November 4	ARRL Iowa Section Convention, Davenport, Iowa
November 10	ARRL Alabama State Convention, Montgomery, Alabama
November 17-18	ARRL Indiana State Convention, Fort Wayne, Indiana
December 1-2	ARRL West Central Florida Section Convention, Palmetto, Florida

2012L - that's Two Oscar One Two London

from their website

The call sign of the London Flagship Amateur Radio Station celebrating the London 2012 Olympic Games and Paralympic Games. This unique amateur radio special event radio station is based at the Royal Greenwich District Scouts Activity Centre in New Eltham, south-east London. Eltham is in the Royal Borough of Greenwich, one of the six "host boroughs" for the Games.

New World Record number of contacts for a Special Event Station! The previous record established by DQ2006X was exceeded on 21st August when the QSO total reached 49,791. The target figure of 60,000 QSOs was reached at 23.05z on Friday 31st August. Where we are

The plan has always been to make at least 60,000 contacts during the seven weeks of round the clock operation. Having achieved that, we have now revised our target to another round figure of 70,000.

The first contact was made on the afternoon of Wednesday 25th July, when the first Games football event took place in Cardiff. Operation will continue until the end of the Paralympics on Sunday 9th September.

The station is open to the public from 10am to 4pm each day. Visitors may view an exhibition about radio communications and electronics, and sit down at the radio and make contact with amateur radio operators right around the world. We are also offering 'bite-sized' talks giving an overview of radio and its importance in the modern world.

Local residents, Games visitors and radio hams from around the world who are in London at this very special time are encouraged to visit 2012L. We are conveniently located on bus routes from Greenwich and very close to New Eltham station, which has a frequent service to London Bridge and Charing Cross rail stations. We are about three miles from Greenwich Park, the location of the equestrian events, and a similar distance from Woolwich where the shooting events take place.

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MIRAGE AND RF CONCEPTS FOUNDER EVERETT GRACY, WA6CBA – S.K.

From Newsline

The man responsible for many pieces of equipment in the shacks of so many hams has become a silent key at age 91.

On Sunday morning, August 26, the Amateur Radio world lost a gentle giant, as Everett Gracey, WA6CBA became a silent key. For the many of us who knew Everett, it is loss unlike any other. We have lost a great source of knowledge, but most of all, a dear friend. For everyone else who did not know him, the word "giant" is not adequate to describe him. His contributions to the Amateur Radio world were immeasurable.

For those of you who ever owned a piece of gear with the name RF Concepts or Mirage Communications on it, you held a piece of his life and legacy, since he was a co-founder of both companies, which he started with Ken Holaday, K6HCP. Later in life Everett became a consultant to LDG Electronics, who, according to Everett put out one of the greatest automatic antenna tuners on the market, and are sold world wide.

Everett spent most of his life in and around Reno, Nevada, where he married his wife Dorothy on July 6, 1940. He was devoted to her, since she was always first and foremost in his mind. He took care of her in their later years, and finally, it was his concern for her well being that prompted his move from Reno to Grass Valley, California, so that her care could be shared with medical professionals.

Everett was also a decorated veteran, who fought in with the Army in Europe during WWII, and was awarded both the Bronze Star and Silver Star for bravery in Germany. He was also recipient of the Purple Heart. He was also author of several books, "From A 13 year old Hobo to an Entrepreneur" "My 20 Years of RV Adventures" and "Buying and Selling Real Estate by Owner". One of my most treasured possessions is an autographed copy of his autobiographical book, "From Freight Trains to Airplanes", published in 1999.

Everett was always ready to lend a friendly hand with a good piece of advice, Elmering and plenty of wisdom which helped many a ham in need, and always seemed to have exactly what they needed to complete the project, or get back on the air. He even gave away parts used for fixing antennas and gear, at no charge.

As a dear mutual friend of Everett's and mine said of his passing, Everett, "I will miss you...you rascal....Oh, and while you are winging your way around the heavens, and you had best not tamper with my RF signal when I am attempting to work DX, or someday, you and I will have a long discussion about that!".

With sincere thanks to Joe Wolfe, WA6RKN for his informative help, for the Amateur Radio Newsline, this is Don Carlson, KQ6FM in Reno.

Per his request no service or memorial will be held. Instead his ashes will be placed next to his wife Dorothy. Everett and Dorothy Gracey had been married 70 years. (KQ6FM, WA6RKN)

Young Ham of the Year: Erin King AK4JG

by Gary Pearce KN4AQ on September 2, 2012 for **HamRadioNow**

Erin King AK4JG just turned 18, recently graduated from High School, and is headed to MIT for her freshman year. And at the Huntsville Hamfest, she was awarded the honor of being selected as Newsline's Young Ham of the Year. She is an impressive young woman, and we expect that she'll be an excellent spokesperson for Amateur Radio.

Check out the Club Website: WWW.W9VT.ORG

Four Things you NEED to know about your Cell Phone

For all the folks with cell phones. (This should be printed and kept in your car, purse, and wallet. Good information to have with you.) There are a few things that can be done in times of grave emergencies. Your mobile phone can actually be a life saver or an emergency tool for survival. Check out the things that you can do with it:

FIRST (Emergency)

The Emergency Number worldwide for Mobile is 112. If you find yourself out of the coverage area of your mobile network and there is an Emergency, dial 112 and the mobile will search any existing network to establish the emergency number for you, and interestingly, this number 112 can be dialed even if the keypad is locked. Try it out.

SECOND (Hidden Battery Power)

Imagine your cell battery is very low. To activate, press the keys *3370#. Your cell phone will restart with this reserve and the instrument will show a 50% increase in battery. This reserve will get charged when you charge your cell phone next time.

THIRD (How to disable a STOLEN mobile phone?)

To check your Mobile phone's serial number, key in the following Digits on your phone: *#06# .

A 15-digit code will appear on the screen. This number is unique to your handset Write it down and keep it somewhere safe.

If your phone is stolen, you can phone your service provider and give them this code They will then be able to block your handset so even if the thief changes the SIM card, your phone will be totally useless. You probably won't get your phone back, but at least you know that whoever stole it can't use/sell it either. If everybody does this, there would be no point in people stealing mobile phones.

And Finally....FORTH (Free Directory Service for Cells)

Cell phone companies are charging us \$1.00 to \$1.75 or more for 411 information calls when they don't have to. Most of us do not carry a telephone directory in our vehicle, which makes this situation even more of a problem. When you need to use the 411 information option, simply dial:

(800) FREE411 or (800) 373-3411 without incurring any charge at all. Program this into your cell phone now.

This is sponsored by McDonalds.

This is the kind of information people don't mind receiving, so pass it on to your family and friends.

Startup deploying new wireless network over TV white space

Level RF is building the next generation wireless network. As a startup with a little funding, Level had to find a way to overcome the high cost of quality spectrum. The FCC, thanks to the persuasion of some of the largest tech giants, has opened up spectrum for unlicensed use in the frequencies previously used for TV broadcasting. TV frequencies in the UHF band are great for covering long distances and penetrating through walls. However, there are a lot of TV stations still operating in urban markets presenting new challenges for a wireless carrier.

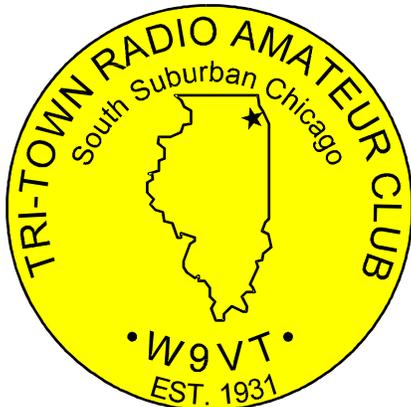
Level RF is in developing custom network infrastructure to deploy a next generation wireless network for the next generation of connected people and machines. To prove the capabilities of this new space in challenging urban environments, Level is deploying the first network in the San Francisco Bay area and opening up to makers and start ups who want to connect their low bandwidth projects to the web. Base stations are hosted at volunteer's homes and offices. Since Level is operating in the UHF band they only need 40-50 base stations to cover the bay area.

The most exciting feature of the network is that it will adapt and improve rapidly, similar to how websites change today. Software Defined Radio allows changes to hardware remotely and ensures the wide range of possible applications are getting the best service possible. With the help of the community, Level plans to leap frog the capabilities of current networks in terms of data throughput and efficiency. From Level RF via QRZ.com

Tri-Town Radio Amateur Club Inc.
PO Box 1296
Homewood, IL 60430-0296

September 2012

First Class Mail



Check out the Club Website: WWW.W9VT.ORG

Tri-Town Radio Amateur Club Membership Application

Name _____ Call _____

Address _____ License Class _____ ARRL Member Y / N

City, State _____ Zip _____ Phone _____

Email Address: _____

____ Regular Membership	\$ 20.00
____ SWL Membership	\$ 20.00
____ Extra Family Membership	\$ 6.00
____ Bunker Buddie	\$ 5.00

____ Auto Patch w/1 Speed Slot	\$ 25.00
____ Extra Speed Slots	\$ 5.00

\$ _____ Total Paid by Club Member

For Example: Regular Member, with A/P and Bunker Buddy (20+25+5) = \$ 50.00