

The Oscillator

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Tri-Town General Meetings Meeting and Program Information

The May meeting will be on Friday, May 17, 2013, 8 PM,

Will be at the Club Station in the Bunker. This will be a non-business meeting night due to the Dayton Hamvention. It will be an evening of socializing and playing radio.

The June meeting will be on Friday, June 21, 2013, 8 PM

Will be at the Hazel Crest Village Hall. There will be a business meeting and a discussion of our Field Day activities.

Wednesday Night 49er Net Number 2000 is May 15, 2013

With two people counting on their fingers and toes and the use of computer programs, Net number 2000 will take place on May 15, 2013. Thanks to Randy, KB9LIL for helping calculate that date. The calculations was based on published dates and net numbers. Ben Butkus, WA9RFO, called very first 49er Net to order on January 22, 1975. Ben was also the guest net control for net number 500 on August 15, 1984. Net number 649 (get the connection?) was called on June 24, 1987 by Jerry Betty, N9BMT, as net control from an aeronautical mobile. Net number 1000 took place on December 29, 1993. Since that first net, many have served as control operators. They include Ben Butkus WA9RFO (the first), Mike Lowden N9CRA, Jerry Bette N9BMT, Clark Lemke W9BQL, Jay Jenkins AA9KH, Peter Schaper KE9YX, Jim Booth KB9VR, Bruce Haffner WD9GHK and Todd Schumann KA9IUC. It is fair to say that SKs Ben, Jerry and Clark ran the majority of the 2000 nets over the 38 year span. If a known net operator has been missed please let Todd Schumann know. The net has been traditionally run from the control operator's QTH on 146.49 MHz. In the recent past, it was run on occasion from the Club Station. On April 4, 2012, the net moved to the Club Repeater put is still called the 49er Net. This move increased the net coverage area and allows for anyone, regardless of the power of their station to run the net as long as they can bring up the repeater. Please take time to check into Net Number 2000 on Wednesday, May 15, 2013. Remember you too can be a net control operator!

Computer Security Software

The June 2013 issue of Consumer Reports has a review of eighteen computer security software packages. Both free and pay for packages are included. The review includes information on the features of each one plus special abilities of some packages. Consumer Reports rated Avast the best freebie and G Data the best pay for package. The review must be read in detail.

We need your Membership!

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

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Scott Heath, KC9TGG	President	708.481-4882	whammybar1@wowway.com
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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.COM 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
Tri-Town Alumni Net	Monday through Friday, 2200 UTC on 7.285 MHz SSB

Hamfest in the Area

May 17-19 Dayton Hamvention Dayton Ohio

JUNE	3	Starved Rock Rad Club Princeton		www.qsl.net/w9mks/hamfest.htm
	16	6m Club of Chicago Wheaton		www.k9ona.com
JULY	14	Fox Riv Radio Leag Aurora		http://frri.org
	21	Kankakee ARS Peotone		www.w9az.com
AUG	3	Lakes Co. WI Burlington, WI		http://sites.google.com/site/laarcradioclub
	4	Hamfesters Hamfest Peotone, IL		http://www.hamfesters.org
	10	West IL Swapfest Quincy, IL		http://www.w9awe.org
	18	W Lake County ARS Ingleside, IL		http://www.welcars.org

FCC Announces Enforcement Actions for January-March 2013

In the first quarter of 2013 (January-March), the [FCC issued 23 enforcement actions](#). These enforcement actions are in addition to the [\\$10,000 fine issued to Jared A. Bruegman, ex-KC0IQN, of Bolivar, Missouri](#), and the [\\$25,000 fine issued to Terry L. VanVolkenburg, KC5RF, of Cocoa, Florida](#), as previously reported.

From the Chicago Field Office:

An [individual](#) who caused interference on the Amateur Radio bands while operating his Citizens Band radio. This case is under the jurisdiction of the FCC's Chicago Field Office.

Another [individual](#) who caused interference on the Amateur Radio bands while operating his Citizens Band radio. This case is also under the jurisdiction of the FCC's Chicago Field Office.

A [radio amateur](#) who deliberately caused interference with a group of AM operators. This case is under the jurisdiction of the FCC's Chicago Field Office.

An [individual](#) was notified of a complaint from a radio amateur regarding harmful interference by an unknown electronic device. This case is under the jurisdiction of the FCC's Chicago Field Office.

An [individual](#) was notified of a complaint from a radio amateur regarding harmful interference by a plasma television set. This case is under the jurisdiction of the FCC's Chicago Field Office.

Summaries of these enforcement actions are listed on the FCC's Amateur Radio Service Enforcement Actions [website](#). General infractions are listed below RFI cases; be sure to scroll all the way down the page to view them.

Florida Man Cited for Harmful Interference to Radio Amateurs

The FCC has issued a [Citation and Order](#) to Ruben D. Lopez Jr of Pomona Park, Florida. The *Citation*, issued April 23, is in response to several complaints about a well pump at Lopez's residence that was acting as an incidental radiator and causing harmful interference to local radio amateurs.

In July 2010 and February 2011, the FCC received complaints from radio amateurs regarding interference on the MF and HF Amateur Radio bands. Upon investigation, the FCC found that a well pump at Lopez's residence was causing the interference, and advised Lopez of the complaints and of the rules regarding interference to licensed radio services. The FCC instructed Lopez to resolve any interference.

According to the *Citation*, in October 2012 -- in response to another interference complaint -- FCC agents "used direction finding equipment to identify Mr Lopez's well pump as the source of transmissions on the frequency 1800 kHz. The agents...confirmed that Mr Lopez's well pump was the source of the interference by conducting on/off tests -- the interference ceased when the well pump was turned off. The agents informed Mr Lopez that he must cease operating his well pump until the interference could be resolved. After the October 23, 2012 inspection, the [FCC's] Tampa Office received information that Mr Lopez tried to eliminate the interference by replacing the A/C line filter for the well pump, but the new filter did not resolve the interference."

Lopez was found by the FCC to be in violation [Section 15.5\(b\) and \(c\)](#) of the FCC's rules by operating an incidental radiator and causing harmful interference. He was instructed by the FCC to "take immediate steps to ensure that he does not continue to cause harmful interference, including repairing or replacing his well pump and associated control circuitry." The FCC advised Lopez that if he continues to violate the Communications Act or the FCC's rules, it "may impose monetary forfeitures of up to \$16,000 for each such violation, or in the case of a continuing violation, up to a maximum forfeiture of \$112,500 for any single act or failure to act. In addition, violation of the Communications Act or the [FCC's] rules also can result in seizure of the equipment through *in rem* forfeiture actions, as well as criminal sanctions, including imprisonment."

If he desires, Lopez has until May 23 to respond to the *Citation*, either through an in-person meeting with the FCC office in Tampa, or via a written statement that should detail any actions Lopez has taken "to ensure that he does not violate the Communications Act or the [FCC's] rules governing the operation of incidental radiators in the future."

Check out the Club Website: WWW.W9VT.ORG

Get Ready for the 2013 ARRL EXPO at the Dayton Hamvention

The [Dayton Hamvention](#)® -- the largest gathering of radio amateurs in the US -- is just around the corner, May 17-19. Held annually at the Hara Arena Conference and Exhibition Center in the Dayton suburb of Trotwood, Ohio, Hamvention is sponsored by the Dayton Amateur Radio Association ([DARA](#)).

This year's "ARRL Dayton Team" includes more than 100 people -- volunteers, officials and Headquarters staff. The centerpiece of the ARRL's participation is [ARRL EXPO 2013](#), a large exhibit area in Hara's Ballarena Hall. First introduced in 2005, ARRL EXPO has become a popular mainstay at the event. "ARRL EXPO is a show-within-a-show, and the area will be filled with membership program representatives and exhibits that cover a variety of Amateur Radio topics and interest areas," explained ARRL Marketing Manager Bob Inderbitzen, NQ1R, who also serves as the ARRL EXPO Coordinator. "The ARRL has put together dozens of exhibits, programs and activities to help represent the very best of our programs, services and information. There will be something for every ham at ARRL EXPO."

This year's ARRL EXPO will include a spotlight on [W1AW, the Hiram Percy Maxim Memorial Station](#). The world's most famous Amateur Radio station turns 75 in September. Dayton attendees will enjoy a special W1AW exhibit, including photographs of the station from over the years. Commemorative W1AW anniversary merchandise will also be available. Does your handheld transceiver meet FCC emission standards? At a booth sponsored by the ARRL Laboratory, you'll meet ARRL Test Engineers and volunteers who will use a state-of-the-art spectrum analyzer to measure spurious emissions from your handheld transceiver. You'll also learn about other ways the ARRL Lab serves the Amateur Radio community with technical information services, trusted product testing and reviews, spectrum-protection engineering and its RFI/EMC program.

DX and Radiosport Activities

Award hunters often make the pilgrimage to Hamvention to have their QSL cards and award applications hand-checked by volunteers and staff from the [ARRL DXCC Branch](#). All cards will be eligible for checking, including old cards, cards from deleted countries and cards for 160 meters. Applications will be limited to 101 cards (more cards will be checked as time and volunteer card checkers are available). Remember to use the electronic DXCC application and bring a printout of your application, card list and your cards in the order in which they are entered. Special guests from the Japan Amateur Radio League ([JARL](#)) will also be available to check applications for certain JARL awards, as well as the IARU's Worked All Continents ([WAC](#)) and 5-Band WAC awards.

Get Ready for the 2014 ARRL Centennial

While at ARRL EXPO, be sure to visit the 2014 ARRL Centennial booth to discover some of the many ways that the ARRL is preparing to celebrate its big birthday next year. You can join the celebration by attending the 2014 National Centennial Convention in Hartford, Connecticut, scheduled for July 17-20 at the Connecticut Convention Center. Attendees will also enjoy tours of ARRL Headquarters and W1AW -- only 6 miles away from the Convention Center. Save the dates so you can be a part of this once-in-a-lifetime event.

ARRL Chief Development Officer Mary Hobart, K1MMH, and the members of the [Second Century Campaign](#) Committee will be at ARRL EXPO to share information and opportunities about the campaign's goals. They will explain how individuals can help contribute to the ARRL Endowment to ensure that League will be there to support radio amateurs in the years ahead.

Forums and Presentations

In addition to all of the ARRL exhibits and activities at Hamvention, a handful of presentations that are directly sponsored by the ARRL, or that involve ARRL programs, will be included on the big slate of Hamvention forums:

Friday, May 17	12:15-1:45 PM (Room 3) Ham Radio and the Law: Getting It Up and Keeping It Up
	2:30-3:45 PM (Room 2) Using Amateur Radio in the Classroom
	2:30-3:30 PM (Room 5) Power Line Interference
Saturday, May 18	9:15-11 AM (Room 5) ARRL Member Forum
	10:30-11:45 AM (Rm 3) Getting Started with Antenna Modeling
	1:15-2:15 PM (Rm 3) ARRL and FCC on Amateur Radio Enforcement
	2:30-3:30 PM (Rm 3) The ARRL Laboratory
Sunday, May 19	9:15-10:15 AM (Room 2) Exploring Our World through Remote Sensing and Ham Radio: Applications for Science and Math Curriculum
	10:30-11:30 AM (Room 3) Amateur Radio Emergency Service® (ARES®)

For a complete Hamvention Forum schedule, please visit the [Dayton Hamvention website](#).

Dayton Hamvention, 146.49 simplex and a 107.2 PL Brian, WD9HSY

As we all know, the 3-day Dayton Hamvention is the biggest RF jungle in the world. As in past years, 146.49 will be the freq of choice for all of us at Dayton. Last year a number of us on 146.49 also had our radios in Full PL encode / decode (TX/RX) using 107.2 (the same PL as the Repeater) This ALMOST eliminates all the noise, junk, garbage, and nonsense on 49. It also just about removed all non-club activity so that when the squelch open it was usually a Tri-Towner on the air! If you want to hear all 49 activity just turn on your TX PL so we will hear you while we are in PL mode. Go PL TX and RX to hear nothing but peace and quiet and us! Not sure how to set up your radio? Check your manual for setting your PL. If you have lots of memory positions set up 2 memories:

- 1) On 146.49 with TX only on 107.2 PL so you hear all traffic on 146.49
- 2) On 146.49 with TX and RX set to 107.2! so you hear only 146.49 w/107.2 PL

That way you can play both ways and if the noise gets too bad you can flip over to full PL! Have I have confused you yet? Give me a call and I'll talk you through it!

Note from Brian, I'm asked to reprint this just about every year because it makes a lot of sense at Dayton. Remember, set one channel for just PL on TX, (so you hear everything on 49) and one with PL on TX & RX! (only stations with 107.2 on 49!)

Cuts Force AF Museum to close Some Galleries

From The Associated Press

DAYTON, Ohio - The national Air Force museum in southwest Ohio is closing some galleries starting next month due to federal budget cuts. The director of the National Museum of the U.S. Air Force near Dayton says the presidential and R&D galleries will be closed until further notice beginning May 1.

Museum Director Jack Hudson said Tuesday popular exhibits in the affected galleries include President John F. Kennedy's Air Force One and the high-altitude 1950s bomber the XB-70 Valkyrie. He says museum officials hope to reopen those galleries as soon as possible.

The budget cuts also will end weekly tours of the museum's restoration area after April 26 and cancel some lectures and all of the summer aerospace camps. The museum has canceled staff training and travel and is deferring non-emergency maintenance.

Field Day 2013

Mark your calendars. Field Day 2013 will take place on June 22 and 23, 2013. Field Day is always the fourth weekend in June not the last weekend. June has five weekends this year. Start planning now for your participation. There are jobs for everyone to do, setup, operating, logging, food and refreshments. Other items include media publicity, satellite QSOs, copying the W1AW bulletin, conduct and educational activity, GOTA station operation and youth participation.

**CQ FD, CQ FD, CQ FD, W9VT, Whiskey Nine, Very Tired, W9VT, CQ FD!!
Please copy 4F IL, 4F IL QSL?
73, and Good Luck in the Contest. QRZ?**

Check out the Club Website: WWW.W9VT.ORG

DRIVING THE DIXIE 2013-FAST APPROACHING 6/15/13

Tri-Town will once again be providing communications support for the 2013 event- scheduled for Saturday, June 15-the Saturday before Father's Day.

This will be the 12th year for this annual event and the eighth year for participation by Tri-Town.

It is a fun and rewarding experience to utilize your Amateur Radio skills and equipment serving as a Tri-Town rep for up to about 2 hours in one of the twelve participating communities along Dixie Highway between Blue Island and Momence. Therefore, a number of prior year volunteers have once again offered their services to Martin (WD9JGG).

However, Martin (WD9JGG) is still in need of 2-3 volunteers, so give him a call @ 708-957-9654 (or MartinM524@aol.com) if you can help out.

Once you volunteer, Martin or his co-hart Trish (N9WDG) in coordinating Tri-Town's role with the other event organizers, will fill you in on how, where and when to get involved.



Net Control Operators Needed

Not too long ago, Tri-Town had four weekly nets and a Monday through Friday net. The 40M and 10M Nets went QRT due to band conditions, lack of net control operators and lack of interest. The Cracker Barrel Net met the same fate but there is usually some activity on 146.49 throughout the day. That leaves the Sunday Night Weather Net and the Wednesday Night 49er Net. While the number of check ins to both nets has dwindled, they remain important for the passing of Club information, Ham Radio news programs, and traffic. The Club is in need of control operators for these two remaining nets. While each net has its own format, the control operator does have flexibility as to how the net will be conducted. The 49er Net was moved to the Club repeater so that more hams could participate but that has not become a reality. It would be great if the Club had eight control operators, the workload would be once a month. As it is with two, the workload gets to be a bit too much. Can you help? Please see any Club officer if you can.

We Are Still Taking Dues

To all of you that have paid your 2013 dues, the Club thanks you. If you have not renewed please let this be a reminder to do so as soon as possible. Of course, we always welcome new members. Club dues are used to cover the cost of insurance and operating the repeater. Money taken in from the raffles, refreshments, picnic and Christmas party pays most of those expenses. Thank you for your continued support of the Club.

Help Keep the Club Roster Up to Date

Please inform the Club whenever you have a change of Call sign, address, phone number or email address. Several times in the past year we have had a break down in communications due to not have up to date information.

Tri-Town's Other Net

The Tri-Town Alumni Net has been in operation for many years and has not had the promotion it deserves. The net's control operator is Bud Small N9ML of Walkerton, Indiana. It meets Monday through Friday at 2200 UTC on 7.285 MHz SSB. Bud takes checkins and then he goes through the checkin list two or three times for comments or for what ever is on your mind. In truth, very few of the checkins are from the Club but Bud has attracted a following from around the country. Why not check in and check it out?

Wednesday Night 49er Net Number 2000 is Fast Approaching

With two people counting on their fingers and toes and the use of a computer program, Net number 2000 should be taking place on May 15, 2013. That is 38 plus years of nets. I hope that the date has been calculated with accuracy. It was based on published dates and net numbers. I would like to compile a list of all net control operators. So far I have Ben Butkus WA9RFO (the first), Mike Lowden N9CRA, Jerry Bette N9BMT, Clark Lemke W9BQL, Jay Jenkins AA9KH, Peter Schaper KE9YX, Bruce Haffner WD9GHK and Todd Schumann KA9IUC. Are there more? If you have any information on the 49er Net, dates (start?), control operator's names, or anything, please send it to me, Todd at tschum3063@aol.com. Thank you.

Check out the Club Website: WWW.W9VT.ORG

Changes to FCC Radiotelegraph Operator Certificates Coming May 20

[Effective May 20, 2013](#), the FCC will no longer accept applications for First (T1), Second (T2) or Third Class (T3) Radiotelegraph Operator Certificates. In addition, the FCC has consolidated the T1 and T2 Radiotelegraph Operator Certificates into a new license class called the Radiotelegraph Operator License (T). According to the FCC, this change takes effect upon renewal: T1s and T2s that are renewed on or after May 20, 2013 will be renewed as Ts, but existing T1s and T2s will retain their current license class for the duration of the current license term. The Commission also consolidated the T3 with Marine Radio Operator Permits (MP); T3s renewed on or after May 20, 2013 will be renewed as MPs, but existing T3s will retain their current license class for the duration of the current license term. These new rules were first announced in a Report and Order ([WT Docket No. 10-177](#)), issued January 8, 2013.

Upcoming ARRL Section, State, Division Conventions / Events

- April 26-28 [ARRL Idaho State Convention](#), Boise, Idaho;
- [Eastern VHF/UHF Conference](#), Manchester, Connecticut
- May 4 [ARRL South Carolina Section Convention](#), Spartanburg, South Carolina
- May 17-19 [Dayton Hamvention](#), Trotwood, Ohio
- May 31 [ARRL Northwestern Division Convention](#), Seaside, Oregon
- June 1 [ARRL Georgia State Convention](#), Marietta, Georgia
- June 7-8 [ARRL West Gulf Division Convention](#), Plano, Texas
- June 8 [ARRL Delta Division Convention](#), Rogers, Arkansas;
- [ARRL Tennessee State Convention](#), Knoxville, Tennessee
- June 28-30 [ARRL Rocky Mountain Division Convention](#), Estes Park, Colorado
- July 6 [ARRL Eastern Pennsylvania Section Convention](#), Harrisburg, Pennsylvania
- July 25-27 [Central States VHF Society Conference](#), Elk Grove Village, Illinois
- July 26-27 [ARRL Oklahoma State Convention](#), Oklahoma City, Oklahoma
- August 2-3 [ARRL Texas State Convention](#), Austin, Texas
- August 2-4 [Pacific Northwest DX Convention](#), Spokane Valley, Washington
- August 17 [ARRL West Virginia State Convention](#), Weston, West Virginia
- August 17-18 [ARRL Alabama State Convention](#), Huntsville, Alabama
- August 18 [ARRL Kansas State Convention](#), Salina, Kansas
- August 25 [ARRL Western Pennsylvania Section Convention](#), New Kensington, Pennsylvania

Radio Amateurs Provide Communication Support in Boston Marathon Bombings:

As has happened many times in years past, over 200 Amateur Radio operators participated in communications for the Boston Marathon on Monday, April 15, 2013. Unlike prior challenging situations such as very warm weather for the runners or other weather-related challenges, this year's marathon will be remembered for the bombings that took place at the finish line. Despite this heinous act, professional first responders, medical volunteers from the American Red Cross that staffed the route, and Amateur Radio operators performed magnificently in the face of adversity.

"Within minutes, cell phone systems became overloaded and making phone calls and text messages was difficult. Amateur Radio operators performed communication duties under duress and performed admirably. No Amateur Radio volunteers were injured on the course in this terrible act," said Steve Schwarm, W3EVE, who is the Amateur Radio Course Communication Coordinator and associated with a consortium of clubs and groups known as Marathon Amateur Radio Communications (MARC). Read more <http://www.arrl.org/news/radio-amateurs-provide-communication-support-in-boston-marathon-bombings-updated>.

Ham Radio Thwarts Zombie Apocalypse

(what a neat way to advertise a ham radio class Brian)

The threat of a zombie pandemic, commonly known as a zombie apocalypse, is ever present in today's world of widespread genetic engineering and frequent international travel. Fortunately, Amateur Radio can help minimize the impact of such a catastrophe and as such, the Central Toronto Amateur Radio Club (aka CenTor) will be offering an Amateur Radio licensing course starting May 1, 2013.

Often called "ham radio", Amateur Radio is a non-commercial radio service that allows licensed operators to use various types of radio communications equipment to communicate with one another, both locally and around the globe, for both public service and recreational purposes. Amateur Radio operators, often referred to as "hams", are federally licensed by Industry Canada and are allowed to use specially allocated radio frequencies to carry out their operations. Hams come from all walks of life and are located all over the world.

"During a zombie apocalypse, the only reliable form of communication would be using Amateur Radio, as cellphones and the Internet will become useless", said Don Trynor, President - CenTor, and licensed Amateur Radio operator with the call sign of VA3XFT. "By teaching people to use Amateur Radio, we can provide them with a valuable skill that they can use in times of emergency or natural disaster to stay in communication with one another," Trynor added. He further noted that while the likelihood of a zombie apocalypse actually occurring is very low, people who are prepared for one would also be prepared for any disaster that might actually occur.

The Amateur Radio licensing course, which will be 10-weeks in duration, will cover a variety of topics, such as basic electronics, radio wave propagation, antenna theory, regulations and operating practices, plus much more. For more information on this upcoming course, please check out the following link at: <http://va3cta.net/get-a-licence/>

Paper log By Benjamin Straw KC9UNS

Benjamin A Straw - KC9UNS
5344 Wilson St. Merrillville, IN 46410

Aha paper logging, some people may say why? Well I think its a cool thing to have hard evidence that one has had worked a particular station. I get the butterfly feeling in the pit of my stomach and since of pride when looking at my logs.

The ARRL has a very nice paper log sheet (<http://www.arrl.org/keeping-a-log>) that one could print out, but I have found that its a bit outdated. The way I store and write my logs makes it a bit cumbersome. I keep my logs in the side pocket of a binder, finding a particular date means I would have to pull all of them out and search for the date and time. Things that are a bit out dated is "QSL Sent". Due to the fact that a lot of people use LOTW and most (including myself) upload logs after a week of making a contact it needs to go. The Comments section also needed to be updated, separating QTH, NAME, and QSL VIA into their own columns would do them better justice. So what can I do to help? I created my own Log sheet.

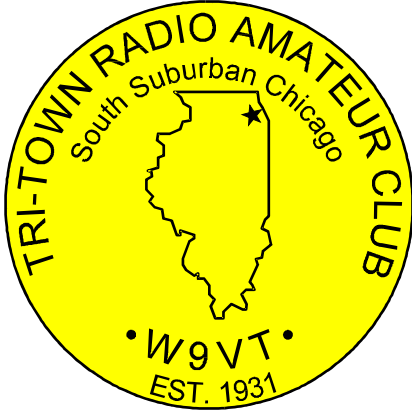
So what did I do to make a better log sheet? On the ARRL log Sheet it as a FREQ column, most people doesn't write the frequencies into this box but instead write the band, why not change it? Like I said before, QTH and Name now have its own column and so does QSL VIA. New hams have asked what does one to put in that place, well lets say if a special event station wanted one to send a QSL via a manager, his home call, Logging service, or Direct this is where one would put it. LOTW, eQSL, and Paper was added for those who like keeping a record if someone has confirmed a QSO on one of these services. Time (UTC) Finish has been moved closer to the end for better record keeping and a date portion is added to the end of the sheet so one could write a date vertically such as January 13 – February 20, 2013, this is to be seen when searching for a particular dated log.

Download: Amateur Radio Log Sheet (PDF) (<http://goo.gl/1VD1k>) Blog: www.Qetuo.me

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

May 2013

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

We need your Membership!

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