

Newsletter
September
2013

Kingston Amateur Radio Club

2013 Executive



Kingston Amateur News

President: Assaf Shool, VA3PCI
vicepres at ve3kbr.com

Vice-Pres: Paul Taenzer, VA3LX

Treasurer: Steve Cutway, VE3KC
treas at ve3kbr.com

Secretary: Larissa Reise, VE3KGC
sec at ve3kbr.com

Past-Pres: Terry Barrett, VA3KLG
pres at ve3kbr.com
pastpres at ve3kbr.com

2013 COMMITTEE CHAIRS:
Two Metre Net Manager:
Steve Cutway, VE3KC
netmanager at ve3kbr.com

Newsletter Editor:
VA3PCI Assaf Shool
news at ve3kbr.com

168 McMichael Street
Kingston, Ontario K7M 1N6 Canada
<http://www.ve3kbr.com>

VE3KAR Clarendon Stn
147.090 (+) MHz

VE3KER Kingston packet
node
145.010 MHz simplex



VE3KBR Kingston
146.940(-) MHz
151.4Hz Tone
IRLP 2750

VE3UEL-1 Hartington APRS
node
144.390 MHz

End of Some Eras
by Ron Walsh VE3GO

All too often, I feel it is necessary to dedicate this column to another radio friend who has become a silent key. George Sansom, VE3GWS, passed away recently ending an era. George is one of the last remaining people who worked with me during my time a president of the Canadian Amateur Radio Federation. George took over editing our magazine TCA when we needed help and also lead the team which brought about the merger of CARF and CRRL into the Radio Amateurs of Canada. (RAC) It is sad to see all those people who worked so hard for amateur radio become silent keys. 73's George SK.

Many of the things I grew up with have gone the way of history. This was best illustrated when the Roy Rogers Museum, in Branson MO, closed its doors forever. One of my childhood heros and a movie genre have faded with time.

It is sad to see some radio eras come to an end. The Night of Nights in July commemorates the end of commercial morse code. Fortunately, the Maritime Radio Historical Society has preserved the commercial morse station at Point Reyes, California.

I, along with many others, grew up listening to marine traffic on 2182 and the other 2 MHz marine frequencies. We could hear all the great lakes and when the stations closed for the winter, traffic from the coasts and Gulf of Mexico could be heard. However, as of August 1, 2013, the United States Coast Guard will no longer keep a radio guard on the International Distress frequency of 2182 kHz and the International DSC frequency of 2187.5 kHz. Additionally, marine information and weather broadcasts on 2670 kHz will also terminate concurrently. The Coast Guard will keep a continuous watch on vhf channel 16 (156.8 MHz) and on the existing voice and DSC frequencies in the 4/6/8/12 MHz bands as described in the Coast Guard Navigation Centre Website <http://www.navcen.uscg.gov>.

As of June 09, 2013 the HF/SSB weather forecasting offered by Herb Hilgenberg ceased to be broadcast. Herb had one of the few private hf marine station licenses in Canada and offered this service for over 25 years. Having reached the age of 76 he decided to only do reports for vessels that registered with him and then once those contracts were done he terminated the service. Climbing towers to fix antennas became more difficult I am sure! His weather forecasts were noted as being very accurate and helpful. Various Rescue Centres asked him for help many times during his time on the air. So "VAX498 South Bound II Coastal" will no longer be heard on the hf marine bands. Herb does have the amateur radio call, VE3LML, so I hope we will hear him on the ham bands. Another familiar voice joins the silent Sacville, NS station of Radio Canada International in the history of Canadian radio.

169 years after the first commercial telegraph line was installed, the last commercial telegraph system shut down in June. India's Bharat Sanchar Nigam Ltd's closure (BHNL) brings to an end the era of telegraph and relegates it to the history books. Samuel Morse, his assistant Alfred Vail and physicist Joseph Henry invented the single wire telegraph in 1837. Two years later the first commercial line went from Washington to Baltimore. Two days later the pony express was dissolved. The pony express just could not compete with the speed of the telegraph. It seems ironic that the pony express could deliver a letter faster than the modern postal system. As I look at my late father's telegraph equipment I see the first internet. Let us hope that some of the younger generation will maintain the sites such as Point Reyes and the telegraph station when the commercial operators no longer can!

I recently visited the Joint Rescue Co-ordination Centre in Trenton Ontario and learned that like the sub rescue station in St. John's, Newfoundland, which was merged into the Halifax RCC, the substation in Quebec City will be merged into the JRCC at Trenton. Their new operations room is quite the set up. The marine station in Inuvick NWT has been closed down and is now being remotely operated from the Iqualuit station on Baffin Island, Nunavut. I have heard they are having some problems with this operation. It looks like more stations will become remote operations. I believe that the Thunder Bay radio station and its remote operations on Lake Winnipeg and also Churchill Manitoba on Hudson Bay may soon become remotely controlled from Sarnia Ontario. Personally, I fear that these stations could become overloaded with incidents and traffic as they have a shorter but very active season. Also, if we lose the main station, then everything is down. With the increased activity in the arctic, is this a good idea?

Consider that VBR Prescott Radio controls eight remote sites from the west of Lake Ontario to Cornwall, ON including their tower on Lake Simcoe. They also do Arctic Broadcasts via satellite since they are a continuously operating station. I know they have emergency power backups etc. but are we concentrating too much in one area and also losing the local knowledge that could be vital in emergency situations. I need only recall the disorientation of a satellite that took all the communications in northern Canada out. HF stations as a backup are now being rethought. Some parts of the Canadian Military have seen that hf can still be very useful and necessary. Perhaps the broadcast media will begin to see that as well.

Technology does march on and we have some interesting developments in marine radio. The use of AIS is increasing as can be seen on several websites. I note the many pleasure craft that now have AIS aboard. I have had to delete them at times to focus on the commercial traffic. I have also had many people who want me to examine them for marine radio license ask me more questions about DSC and how to use it.

One use I have been advised about is the MRASS. This is a Mariner Radio activated Sound Signal. The sound signal at Ocean City Inlet Jetty Light (LLNR 225) will now have been converted to one. When mariners are within the range of approximately one mile of the signal, they click their microphone five times on channel 83A (157.175) MHz. This will activate the sound signal for a period of 30 minutes. The signal will still exhibit the characteristics listed in the Light List. It is good to see that they ask for comments on the signal and what the mariner uses to navigate the waterway. I must thank Herb WA3HGT and Dick K2HZ for the information sent to me.

However, there is an old adage that the more things change the more they stay the same. I received a notice from RAC (Radio Amateurs of Canada) that the Table of Frequency Allocations for Amateurs will be amended. The international allocation in the 600 metre band, 472 to 479 kHz, has been added. It will soon be 100 years since the beginning of Canadian marine radio on the great lakes and frequencies in this area were used by the Marconi station VBH here in Kingston. Hopefully we will see some activity on this part of the spectrum next year. (The spot allocations in the 60 metre band, 5 MHz, are closer to approval as well.)

As for mail I received many good comments on the article about operating from the USS North Carolina. Jim N4DEE, in Conway, SC, reminded me that the higher frequency listening I did was on the RBC receiver not the RBB. Can't wait to get my hands on that set again and do some real SWL work. John Musgrave, Oona River, BC, has written and said he liked the article as well. John has been cruising the west coast and as always sends some photos of the area. That is the one area that might get me to leave Kingston. However, the most unexpected reader input also came from John. Ironically, I was just about to answer a letter from him when my phone rang. The caller asked if he was speaking to me and when I said yes he announced it was John Musgrave. HE was anchored at the south end of the Queen Charlotte Islands and was calling on a satellite phone. It was also the first satphone call I have ever received. He was looking for an address of a radio supplier to purchase a noise reducing device. He has been unable to hear the Great Northern Boaters Net due to noise from a neighbor's inverters. Even in his remote locations, rf noise is becoming a problem. It is good to finally speak to John after corresponding for several years. He also mentioned listening to Radio Australia on their 15 MHz frequency and that got me turning on my receiver here.

Band Intruders

The amateur radio bands are always monitored for intruding stations. We have some commercial and pirate operations as always. However, some of these have a marine connection. There are many reports of driftnet buoys operating in the 8000 to 28500 kHz range, using cw ids. Bearings indicate the Atlantic Ocean west of Portugal or Spain and the Adriatic Sea as sources of the buoys. The IARU Region report for June has quite the selection of these buoys in the 10 metre band. Georg, DK7KG has listed many buoys between 27000 and 29351 kHz. There are illegal voice operations as well. Dutch language has been heard on 3500, 3505 and 3545 kHz while Spanish vessels can be heard on 3550, 3555 and 3774 kHz. I was amazed in the IARU report of how many of the illegal transmissions are using sophisticated digital transmission and even ALE.

There are many of these buoys between 1800 and 3600 kHz. They often appear in the 160 metre amateur band. They run 5 watts and can be heard over great distances at times. They are not just Korean and Japanese boats but fishing vessels out of Canada and the United States are using the illegal frequencies. It seems that legal radio activity on or near the frequency used by the beacon can usually cause the operator of the illegal beacon to change frequencies. A picture of one Japanese made unit shows it has a receiver and can be reprogrammed by radio. I refer people to the column by Mario Filippi, N2HUN in July MT for listening to these buoys.

We have worked diligently in many international conferences to preserve our amateur frequencies and should report all illegal users to our national amateur radio societies or the IARU.

Since 5 MHz frequencies will soon be used in the amateur bands, I thought some marine related frequencies in that range might help me learn the propagation pattern there. I used Hugh Stegman's last three columns and also Shortwave Watch (www.shortwavewatch.com) to get some active frequencies. I stayed with cw and ssb marine stations. However, the aircraft frequencies and digital transmissions in this range would offer great listening.

The standard frequencies of 5696 and 5717 for the USCG and Canadian SAR activities are regularly noted. The USCG also uses 5732 usb. Kinloss Rescue in the UK is often heard on 5680 usb, talking to aircraft and other rescue units.

The Russian navy uses cw in this frequency range. RIR98 contacts the Black Sea Fleet on 5083. Kalingrad uses 5213 and Sevastopol uses 5341 cw. Russian naval ships have been reported on 5019 and 5101. The Indian Navy uses 5150 for Tuticorn Naval Radio VTK. 5065 cw is used by the Malaysian Navy.

The Russian stations can be identified by the beacons used on these cw frequencies as follows:

| | | |
|--------|-----|-------------|
| 5153.7 | "D" | Odessa |
| 5153.8 | "P" | Kalingra |
| 5153.9 | "S" | Severomorsk |
| 5154.0 | "C" | Moscow |

There is a cw propagation beacon, DRA5. on 5195 kHz.

USB transmissions have been reported from the Israeli Navy on 5146, the Irish Navy on 5254, the Italian Navy on 5270 and the Turkish Navy on 5763. 5206 has been reported for numerous naval exercises. Fishing vessels have been heard on 5120 and in the Portuguese language on 5517 LSB.

With the longer nights in October, hopefully some of these stations will be heard and reported. I would appreciate reports of any transmissions you hear. As for myself, I enjoyed operating portable and activating Amherst Island on the amateur bands among other short expeditions with the Frontenac County Emergency Radio Group.

I would also echo Ken's comments in the August issue. The 2m amateur band and some excellent repeaters in the Kingston area go unused. Remember the 220 MHz band and what you do not use you lose! I personally go on the repeaters during every weather and traffic situation that I hear. Let's get the 2m rigs back in the vehicles and use this radio resource.

My column was prophetic in many ways but not in one way that I did not expect. Today I talked with another amateur who has the first copy of Monitoring Times. The discontinuing of publication of Monitoring Times is certainly an end of an era in radio. I have been honoured to be allowed to write for and have my photographs published in this magazine. I do hope that our readers continue to enjoy their radio hobby as enthusiastically as ever and that I hear many of them on the amateur bands.

Thank you and 73's Ron Walsh VE3GO SK

NEWS

The following is a statement from MT Publisher, Bob Grove W8JHD:

After 33 years of publishing the most informative and lauded magazine on monitoring the radio spectrum, Judy and I are finally going to retire. We are grateful for the dedicated efforts of our fine staff of writers for the excellent work which has kept MT alive for all these years. While we know the discontinuation of MT, with our December issue, will be a disappointment to our readers and writers alike, we realize that a combination of a down-turned economy, as well as the ready availability of free listening and technical information on the Internet, has reduced sales and subscriptions throughout the market place. I would like to thank you personally for your knowledge, your dependability, and your professionalism in making MT the publication that is most often referred to in the radio monitoring hobby. It is a legacy that we have all inherited.

Warmest regards to all our writers, Bob and Judy Grove

The following is a statement from MT Managing Editor, Ken Reitz KS4ZR:

The news just related by Bob Grove was given to me at 3:30 pm yesterday. As Bob indicated, the December issue will be the last for MT. Here are the deadlines for the remaining months: The September issue is currently being proofed for press; the October issue deadline is Tuesday, August 13; the November issue deadline is Friday, September 13, and the December issue deadline is Monday, October 14. Best regards, Ken KS4ZR

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Ken Reitz KS4ZR, Managing Editor
[Monitoring Times](#)

Submitted via Ron Walsh VE3GO

Kingston ARCFEST

14 September 2013

KARC Hamfest 2013!

Military Communications & Electronics Museum

0900-1200

Vendor Set-up 0730

Tables are \$10.00 each and can be reserved by contacting

hamfest@ve3kbr.com

General admission is by donation to the Museum.

This event is co-sponsored by the Museum and KARC.

The Museum is located at 95 Craftsman Blvd., CFB Kingston off Hwy 2, about 1 km east of Hwy 15 – opposite Vimy Barracks entrance. Talk-in on 146.94- (151.4 hz tone).

Commercial vendors, door prizes.

Proceeds from the table rental benefit KARC.

Bring your surplus gear and swap not only some gear, but maybe a few stories and tall tales of great adventures and far-off DX contacts!

Visit our website at:

<http://www.ve3kbr.com/>

KARC meetings held the first
Wednesday of each month - 1900
hrs - at Smitty's Restaurant, 2376
Princess St. Dinner (optional) at
1730 hrs.

Weekly Saturday morning
breakfast 0700 - 0900 at Smitty's
Restaurant

Kingston Amateur Radio Club, Inc. - serving our communities



THE YORK REGION AMATEUR RADIO CLUB, INC. IS PROUD TO PRESENT

THE 37th ANNUAL YORK REGION HAMFEST

THE PREMIER INDOOR AMATEUR RADIO & ELECTRONICS EVENT IN CANADA

Saturday, November 02, 2013

NOTE: New location this year!!!!!!!!!!!!!!

Newmarket Community Centre

200 Doug Duncan Drive, Newmarket, ON

Latitude: 44.052915 Longitude: -79.455461

Admission : \$7:00 per person, with an "express lane" for those with exact change.

Commencing at 0730 a covered outdoor area opens for the general public, with free coffee and tea. Muffins, donuts are available for purchase! Doors open to the sales area for the general public at 0900.

Talk-in: VE3YRA 145.350 MHz(-) T: 103.5 Hz

D-STAR: 145.670 MHz Direct

Venue: Vendors galore in two separate halls --- Wide aisles for scooters and wheelchairs --- Exhibits and Demonstrations --- Free Parking --- Great Door Prizes --- Refreshments --- Grand Prizes --- DXCC, WAS & VUCC Card Checking --- Licensing Examinations (register with Hamfest Co-ordinator prior to Hamfest to ensure we bring enough exams.)

Electronic Waste Disposal: At our event the Maple Lions Club will be collecting electronic waste for recycling. This is a **free** service with **NO** restriction on the amount of material to be recycled. This will be dropped off as you **leave** the hamfest. The only restriction is material **must be acceptable**. This includes the following: Computers, laptops, netbooks, mice, keyboards, webcams, printers & scanners, phones & fax machines, monitors and televisions wireless cards and antennas, cell phones & digital cameras, security surveillance equipment, game systems & controllers, radios, speakers, amplifiers, electronic music equipment, record players, cassette players, circuit boards, memory chips, sticks, usb drives, processors, hard drives, cables/wiring, small appliances (microwaves, blenders, vacuums etc), battery backups including batteries, used rechargeable hand-held and laptop batteries, external storage media devices (external hard drives, floppy, cd/dvd/blue ray), corded and cordless power tools, commercial & industrial electronic equipment, server racks, cages, rails

VHF NET REPORT

Thanks to the controllers who kept the VHF net alive in May, June, July and August. May check-ins ranged from 6 to 14 and May net duration ran from 28 to 47 minutes. June check-ins ranged from 5 to 11 and June net duration ran from 20 to 35 minutes. July check-ins ranged from 9 to 19 and July net duration ran from 31 to 50 minutes. August check-ins ranged from 10 to 16 and net duration ran from 22 to 48 minutes.

The net control schedule for September to December is in the September newsletter. I will be away from Sept. 19 to Oct. 7 so I will not be available to fill in should a controller find him or herself unavailable. Any Tuesday night you hear silence on VE3KBR at 19:30 hours, please jump in and control the net. The revised script is in the newsletter and on the web site and if you follow it, you'll do fine.

But the most important thing is that you check into the VHF net every Tuesday night at 7:30 because without you, it's pretty lonely.

Steve VE3KC

MEETING MINUTES

**MINUTES OF MEETING OF
THE KINGSTON AMATEUR RADIO CLUB, INC
HELD ON Wednesday, June 5, 2013
At Smitty's Restaurant**

The Kingston Amateur Radio Club meeting was called to order at 7 PM by our vice president Paul VA3LX.

1. The members introduce themselves. There were 14 members present.
2. Additions to the agenda:
 - a) David VE3DZE wanted to make a statement that he would append to the Frontenac Encomms report
3. David, VE3DZE moved, seconded by Terry, VA3TRM, that the minutes of the May meeting be approved as published in the newsletter. Motion passed
4. David, VE3DZE reported that we have \$238.16 in our Equity Shares account, \$16.39 in OUR Dividend Savings account and \$6,981.12 in our Cooperation Plus chequing account for a total of \$7,235.67. Doug, VE3FFR, moved, seconded by George, VE3GHK, that the Treasurer's report be accepted. Motion carried.
5. Business arising from the minutes:
 - a) club activities-Ron VE3GO sent an email to Assaf indicating that he is planning on organizing club field trips to a number of maritime points of interest. More to come later through the freelist.
6. New business:
 - a) Doug, VE3FFR, gave an update on the September 14 Hamfest. The museum site will not be available. The new site will be Reading Hall, formerly known as Drill Hall A. Doug reported that at the Smiths Falls Hamfest the organizers used a plasticized paper colored wrist bracelet rather than stamping the hands of paid entrants for the event. Les, VE3KFS, moved, seconded by Carlyle, VE3WIO, that a maximum of \$50 be available for Doug to purchase similar wristbands to be used at our Hamfest this year and for years to come. The motion passed. Doug will order two different colored wristbands. They come in lots of 500 and cost \$13 each.
 - b) Field Day. Paul, VA3LX, indicated that the presentation for the evening would be on the topic of Field Day. Les, VE3KFS, moved, seconded by Derek, VE3HRW, that a maximum of \$250 be made available to cover Field Day expenses. Motion passed. Les explained that in previous field days, participants contributed \$20 to cover food over the course of the event. It was generally agreed that a similar approach would be taken this year. Paul reminded everyone that we'd like to have a better idea of who is planning on attending and what equipment they can contribute to the field day station.
7. Reports:
 - a) Presidents report: published in the newsletter.

b) Frontenac Encomm group: David, VE3DZE, delivered a statement expressing his disappointment that the club turned down the Frontenac Encomm group's request to fund two TNCs to update the regional WINLINK system. He also said that there have been three members of the Kingston amateur community who recently passed away and noted that this information was missing from the June KARC newsletter. Paul, VA3LX, on behalf of the club, acknowledged David's expression of disappointment.

c) "Hearts and Flowers" a minute of silence was observed for George, VE3GWS; Bruce VE3GJA; and Roy, VE3VJF's XYL, Joan.

d) CFARS: Les, VE3KFS, reported that CFARS and MARS recently held a joint HF net that was very successful with about 35 members from each organization taking part. CFARS has 138 members. One does not need to be military or ex-military to join. Membership information is available on the public website: <http://www.cfars.ca>. The northern Gateway project is awaiting shipping arrangements for the equipment.

8. Date of next meeting: September 4, 2013

9. Election for Treasurer position: Steve VE3KC has indicated that if there were no other candidates, he would be willing to serve the club in the Treasurer position. Terry, VA3TRM, nominated Steve for the position. As no other candidates were nominated, Steve was acclaimed as the club Treasurer.

10. The meeting was adjourned at 7:37 PM
submitted by Paul VA3LX

AGENDA - 4 SEPT 2013

1. Members and Guests introduce themselves
2. Additions to the Agenda
3. Minutes of the last Meeting: errors / omissions / approval (Larissa VE3KGC)
4. Treasurer's Report (Steve VE3KC)
5. Business arising from the Minutes:
 - a.
 - b.
6. New Business:
 - a. Club Build
 - b. Membership Fees
7. Reports:
 - a. Net Manager (Steve VE3KC)
 - b. CFARS (Les VE3KFS)
 - c. "Hearts and Flowers"
 - d. Other Reports
8. Date of next meeting: 02 October 2013
9. 50 / 50 Draw
10. Adjournment
11. Presentation: Photos from Field Day and the NA QSO contest.

COMICS

FINANCIAL REPORT

Kingston Amateur Radio Club
Financial Statement June – August 2013
August 22, 2013

Opening Balance

| | |
|------------------|---------------|
| Cooperation Plus | 6,981.12 |
| Dividend Savings | 16.39 |
| Equity Shares | <u>238.16</u> |
| Total Balance | 7,235.67 |

INCOME

| | |
|--------------------------------------------------------------------------------------------------------------------|-------------|
| Memberships (3) | 75.00 |
| Donations | 151.50 |
| Motorsport Club of Ottawa for the use of the VE3KAR repeater for their Lanark-Highlands Forest Rally 04/05/2013 | 100.00 |
| VA3TRM from sale of equipment from the estate of Reg Warkinton | 46.50 |
| VE3ZZU | 5.00 |
| Callsign name tag (1) | 6.00 |
| June-July Interest | <u>0.24</u> |
| Total Income | 232.74 |

EXPENSES

| | |
|---------------------------------------------------------------------|-----------------------|
| Donation | 100.00 |
| Glenburnie United Church in memory of Joan Clarke, Roy VE3VJF's XYL | |
| Field Day | 148.88 |
| Cheques to VA3PCI, VA3LX and VE3KGC | |
| 2013-14 VE3KBR domain registration renewal and Doteasy web hosting | <u>273.81</u> |
| Cheque to VA3KGB | |
| Total Expenses | 522.69 |
| Revenue Less Expenses | <u><u>-289.95</u></u> |

CLOSING BALANCE

| | |
|------------------|---------------|
| Cooperation Plus | 6,685.17 |
| Dividend Savings | 16.39 |
| Equity Shares | <u>238.16</u> |
| Total Balance | 6,939.72 |

NET CONTROL SCHEDULE

| Month | Date | Controller |
|--------------|-------------|-------------------|
| September | 3 | VE3KC Steve |
| September | 10 | VE3KGC Larissa |
| September | 17 | VA3PCI Assaf |
| September | 24 | VE3WIO Carlyle |
| October | 1 | VE3CAK John |
| October | 8 | VE3DZE David |
| October | 15 | VE3GO Ron |
| October | 22 | VE3JPW Warren |
| October | 29 | VE3KC Steve |
| November | 5 | VE3KGC Larissa |
| November | 12 | VA3PCI Assaf |
| November | 19 | VE3WIO Carlyle |
| November | 26 | VE3CAK John |
| December | 3 | VE3DZE David |
| December | 10 | VE3GO Ron |
| December | 17 | VE3JPW Warren |
| December | 24 | VE3KC Steve |
| December | 31 | VE3KGC Larissa |

NET CONTROL SCRIPT

KARC Tuesday Night Net Control Script

Revised April 16, 2013

Good evening. This is *[name and callsign]*, net control station for the Kingston Amateur Radio Club's Tuesday night Net.

The Kingston Amateur Radio Club Tuesday Night Net is an informal net that meets at 1930 hours every Tuesday evening on the KARC repeater, VE3KBR. We welcome participation by all amateurs.

Before continuing, is there any emergency or priority traffic? Please call now.

The purpose of the net is to take check-ins; to inform you of KARC activities; and to provide news of interest to Radio Amateurs. Information about KARC may be found on the web site (www.ve3kbr.com) or by contacting any of our club executive members.

I will take check-ins giving priority to mobiles, portables and stations checking in via EchoLink or IRLP. When checking in, please give your call sign phonetically, your name and location, and indicate whether you have any traffic or announcements for the Net.

Are there any stations using EchoLink or IRLP wishing to check in? Please call now.

Are there any mobiles or portables wishing to check in? Please call now.

Are there any base stations wishing to check in? Please call now.

Trivia Time

Here's tonight's trivia question(s).

Swap Shop

Are there any items for the swap shop?

Closing

Are there any additional check-ins or announcements before I end the Net?

That concludes this evening's Kingston Amateur Radio Club Tuesday Night Net. Thank you for participating. We had [number] check-ins this evening. 73. This is *[name and callsign]* returning the repeater to normal amateur use.