



# THE FRANKFORD RADIO CLUB NEWSLETTER

*PROFICIENCY THROUGH COMPETITION*

## CALENDAR

### December 2009:

- 4-6 ARRL 160 Meter Contest
- 12-13 ARRL 10 Meter Contest
- 17 T.I.T.S. Meeting, Noon**
- 19 OK DX RTTY Contest
- 19-20 Croatian CW Contest
- 26 RAC Winter Contest
- 29 REXY Meeting B, 8 PM**
- 30 FRC Pizza Blast, Noon**

### January 2010:

- 2-3 ARRL RTTY Roundup
- 9-10 No. Amer. QSO Party, CW
- 16-17 HA DX Contest
- 16-17 No. Amer. QSO Party, SSB
- 21 T.I.T.S. Meeting, Noon**
- 26 REXY Meeting B, 8 PM**
- 29-31 CQ 160 Meter Contest, CW

### February 2010:

- 7 North American Sprint, CW
- 13-14 CQWW RTTY WPX
- 14 North American Sprint, SSB
- 18 T.I.T.S. Meeting, Noon**
- 20-21 ARRL DX Contest, CW**
- 23 REXY Meeting B, 8 PM**
- 26-28 CQ 160 Meter Contest, SSB
- 27-28 No. Amer. QSO Party, RTTY

### March 2010:

- 6-7 ARRL DX Contest, SSB**
- 14 North American Sprint, RTTY
- 18 T.I.T.S. Meeting, Noon**
- 20-21 Russian DX Contest
- 20-22 BARTG HF RTTY Contest
- 23 REXY Meeting B, 8 PM**
- 27-28 CQWW WPX Contest, SSB

## CHANGES

None this Month

**Deadline for January issue:**

Sunday, December 27, 2009

## President's Column

Season's Greetings to All..

The CQ Contests are now history. I hope everyone had as good a time operating as I did. There have been some very nice scores posted both on the reflector and on 3830, so we have every reason to be cautiously optimistic at this point, but there is one VERY IMPORTANT thing left to do. ***DON'T FORGET TO SUBMIT YOUR LOG EITHER TO K3WW OR DIRECTLY TO CQ!*** If the scores for FRC and YCCC are close, and we have every reason to think that they will be, an unsubmitted log could mean the difference between victory or defeat. ***If you haven't sent that log in yet, DO IT TODAY!***

As I mentioned in my message last month, there will be no usual monthly meeting this month. But I hope to see many of you at the Pizza Blast in late December. I know that we have at least one new member to vote in.

May you and your families have a wonderful holiday season.

*73 de John, W8FJ*



## FRC Pizza Blast

This year's FRC Pizza Blast is 12:00 Noon on Wednesday, December 30. Location is the Crossroads Hotel, 1443 Main Street, Hellertown, PA. Contact Dave, W3MM, for more information.

# Happy Holidays!!



## MEETINGS

**FRC Pizza Blast**—See Page 1..

**T.I.T.S. meeting**—The Trexlertown International Transmitting Society meets on Thursday, December 17 at 12:00 noon. Location is the Hometown Diner on Route 222 in Trexlertown..

**Rexy Meeting B**—The Rexy's **FRC** annual Holiday Meeting B will meet at 7 PM on December 29. Details on page 7..

## FRC Web Site Update

As some of you may know, I'm working on updating the web site. Work completed to date is:

1. A new look and menu system.
2. Data on the web site was very much out of date. I've updated as much as I could find.

Some of you even sent me new information, thank you. Now is the time for serious thought about the future of the web site. I've been chatting with several members about what we can do. I've had some input from members like, "Why can't it be like (this site or that site) etc.?" We can accomplish just about anything within the limits of the server, my knowledge and **MOST OF ALL YOUR WANTS!!!**

Our web host is very good at keeping the server up and running, supplying tools, etc. I have the time to devote to building a useful web site and the time to learn new tools if need be. The internet has come a long way as far as capabilities, security and other interesting things. However, I've had very little feed back about the current web site. It seems that there is only a few members interested enough to comment, to express their wants and thoughts as to what we should do.

I am currently planning the next steps. Requests that I have and I'm looking at are for roster online, other news items, easier method of updating DX, For Sale items etc. Included in this is the decision of who updates these items, where are the items displayed(openly or a members only area). If in a Members Only area, how do we protect it. There are many schemes and many thoughts. Things to think about are issues like the roster. There is nothing that isn't available from other sources. Therefore, should we protect it, or what portion should be protected or excluded?

As I said before, almost anything we want can be accomplished, it just takes time. Let me add that I'm not going to take a lot of time to do things that aren't going to be used. I think a serious discussion has to take place on this topic.

So after the CQ WW this coming Thanksgiving weekend, I'll expect some serious input. Your help is needed for **BOTH** the contest and the Web site. So get in the chair for over the contest weekend and let's kick some butt.

After the contest, ask yourself this question, "WHAT DO I WANT FROM MY CLUBS' WEB SITE?" Send your scores to CHAS and your answer to ME! KICK BUTT!!!!

**73, de Larry, K2GN**  
Webmaster, Frankford Radio Club  
<http://gofrc.org/>

### **CQWW DX SSB CONTEST OPERATION FROM MONTSERRAT**

**By George Briggs, K2DM / VP2MDG**

Montserrat – the Emerald Isle of the Caribbean. This small British overseas territory was once a favored destination of many travelers ranging from famous rock and roll bands to not-so-famous amateur radio operators. Sir George Martin's AIR Studios Montserrat, which opened in 1979, played host to such artists as Dire Straits, The Police, Sir Paul McCartney, The Rolling Stones and Eric Clapton, and Montserrat also hosted such hams as the late Chod Harris (VP2ML), Jim Cain (VP2MDC) and FRCers K3OO, K3NZ and N2TK.

Tragically, Montserrat was devastated in 1989 by Hurricane Hugo, which destroyed 90% of the island's structures, including the homes of nearly all of its 12,000 residents. AIR Studios closed its doors forever, but with aid from the UK, Montserrat rebuilt and had returned to near normalcy when disaster struck. After a lengthy period of dormancy the Soufriere Hills volcano became active again in 1995. As activity increased residents were evacuated from the southern portion of Montserrat, including the capital city of Plymouth, and an exclusion zone was established that comprised roughly the southern two-thirds of the island. Significant eruptions, accompanied by massive pyroclastic flows, occurred in the months of June, August, September and December of 1997, killing 19 people and burying both the airport and the entire city of Plymouth.

Additional eruptions occurred between 1999 and 2001, and the largest eruption since 1997 took place in July 2003, covering all of Montserrat in ash. With Plymouth destroyed and the entire southern part of the island declared an exclusion zone, a significant portion of the residents were displaced. With assistance from the UK many Montserratians relocated off the island. By 1998, 3,500 had relocated to the UK and 3,000 had moved to neighboring countries. Only about 3,500 remained on Montserrat. Needless to say, tourism suffered significantly, and ham radio took a back seat to survival and rebuilding among the remaining VP2Ms.

Montserrat is coming back, but it is unlikely that it will ever be the same. A new airport has been built in the northern part of the island, but it has a very short runway that can only accommodate 19-seat Twin Otter aircraft. The ferry between Antigua and Montserrat, which was subsidized by the UK, was stopped when the new airport opened a few years ago. With only three flights per day, tourism remains very low. And, although Montserrat is a beautiful island with extremely friendly people, it is not for everyone. If you like to dive or go on nature hikes or operate ham radio, Montserrat is great. If you like to sit in the sun and look out over the Caribbean to Nevis in the distance, this is the place. But if you are looking for a luxury hotel with a casino, a golf course, a manicured beach and a pool with a swim-up bar, you will not find it here (although Tropical Mansion Suites has nice rooms and does have a small pool). Montserrat's only golf course (nine holes) is under many feet of volcanic ash. And that pesky volcano remains active, frequently spewing ash. The ash is normally blown away from Montserrat by the prevailing winds, but sometimes the ash falls in the north, making a nuisance of itself.

My experience with Montserrat began in 2004. Brother Peter (K3ZM) and I operated the ARRL CW DX contest from W3CF's hotel station on Antigua. After that contest we took a ferry-ride day trip to tour Montserrat. Peter decided that we HAD to go back to operate CQWW CW, so we did. What a blast we had, with very high rates on all bands. After all, we were the first serious operation from Montserrat in years. We stayed in Providence Estate, which is where Paul McCartney stayed while he was recording at AIR Studios. While we were there, we also discovered the Gingerbread Hill guest house, which is a great contest location and which is run by a very ham-friendly couple. In fact, Trond, LA9VDA was set up in Gingerbread Hill at that time.

CQWW DX SSB would be my fifth contest operation from Montserrat. This time I would be joined by my brother Peter (K3ZM) and friends Jim Worthington (AD4J) and Glen Allen (W4GKA) for a Multi-Single entry. The four of us have operated together before from St. Kitts/Nevis (V47DM) and Dominica (J7DM), each time carrying everything we would need with us. This operation would be easier, because I have been shipping equipment down to Montserrat for a few years now. Most recently, I shipped down a 55-foot, heavy-duty crankup tower, and I was anxious to try it out.

## *FRC MEMBER SUBMISSION*

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My host at Gingerbread Hill, David Lea, had installed the tower and winch, but we would have to install the rotator and build and install the TH6 that I had shipped down with the tower.

With airlines cutting back on flights to the Caribbean I had a choice of flying down on either Monday or Thursday. Since I needed to do more work than usual to get the station ready, Chris and I flew down on Monday. So did Jim and Glen, so we had plenty of manpower. As usual we left the house for Newark at oh-dark-thirty. We met up with Joe, K3NM who was on his way to St. Kitts. We almost always bump into someone from FRC either coming or going. The trip through Miami to Antigua and on to Montserrat was uneventful, and we arrived at about 5:30PM. I had decided to hand carry my K3 (in its custom shoulder bag courtesy of Rose Kopp) as far as Antigua, then to put it in my suitcase for the 20-minute flight to Montserrat. I had prepared a little foam nest in the suitcase for the K3. Everything went smoothly. I was simply asked to take the K3 out of the shoulder bag for screening during the security checks just like a laptop.

Jim, Glen and I spent Tuesday building the TH6 and installing it and the rotator. The process was aided by the Gingerbread Hill topography. The guest house is three stories, with the bottom built partly into a hill. On top of the third story is a roof-top sundeck. Chris and I always stay in the third-story unit because it has access to the roof-top deck. The crankup tower is mounted against the rear face of the guest house with the nestled top sticking up a few feet above the deck surface – perfect for installing and removing antennas. I had pre-assembled the elements and boom halves of the TH6 in New Jersey before I shipped them to Montserrat, so all we had to do was haul them up to the roof and do final assembly. We put the boom together first and mounted it on the mast. Then we swung the boom around as we stood on the roof and installed the elements. Simple. We cranked up the tower and stood back to admire our handiwork. It looked pretty darn good, if I do say so myself. And how great was it going to be to rotate the antenna from the shack instead of using the Armstrong method?

Jim and Glen went SCUBA diving out of the Green Monkey Dive Shop on Wednesday while I assembled the CL-33 for the multiplier station and did some inside work setting up the K3 and the AL-80A amplifier. Wire antennas for the low bands went up that afternoon, and we were on the air on all bands with two stations. I store a Kenwood TS-570SG at Gingerbread Hill for the multiplier station. In fact, as of right now the only thing a visitor would need to take to Montserrat to get on the air on all bands is a laptop for logging. Rig, power supplies, antennas, coax, keyer, Proset, antenna switches, SWR/power meter are all there for anyone to use. The only things I reserve for my own use are the amplifier and the TH6.

Thursday was a big day. First, Peter flew in for his four-day cameo appearance on the island. Of course virtually all of the setup had been completed. Second, I had promised W3MF that I would get on RTTY and make a contact with him to give him Montserrat. I had installed MMTTY on my laptop and gotten to where I could receive RTTY before I left home, but I had not transmitted. With Jim's technical help I set up the transmit interface to the K3 and used email to arrange a "right now" sked with W3MF. It took a while to find him, but finally there he was. We had a nice chat for about five minutes with me sweating like a Novice the entire time. No doubt about it, this was my first and last RTTY QSO. I am told there were a bunch of EU stations calling me when I went QRT. After the contest John and I had a QSO on 30M CW to give him a new one on that band. OK, it was actually Bob at the key, but it was W3MF's station.



### **Watt Meters**

Fill ALL your Thruline<sup>®</sup> wattmeter needs at <http://www.nm3e.com>

Featuring new and used meters, elements, loads and more by BIRD<sup>®</sup> and Coaxial Dynamics.

73 Tim Brown NM3E 610-207-4865

## *FRC MEMBER SUBMISSION*

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Thursday was also the day that ash blanketed the northern part of Montserrat. The prevailing winds stopped blowing, and the volcano kept spewing the stuff out, so we got our first real taste of ash. Then the winds kicked in again and blew most of it right off the island and into the Caribbean. After that, David hosed off the roof and the decks so that the ash wouldn't keep blowing on us while we were sunning ourselves. It was quite an awesome experience. By the way, you can keep up with the status of the volcano by checking: [www.montserratvolcanoobservatory.info](http://www.montserratvolcanoobservatory.info).

We started the contest on 40M, with Peter at the mic. This is kind of a tradition, to have Peter start us off. What a tough go it was, with only 88 contacts in the log in the first hour – 9 of which were worked by the multiplier station. The new subband was a zoo, and although it was quieter below 7.100, we just didn't get as many answers as we had in past years. The rate dropped to 65 in the second hour, and the third hour was an abysmal 17. We put some Qs in the log on 80M, then came back to 40M for the 0600 hour and did quite a bit better with a 119 hour. We didn't make our first foray into 160M until 0800, so we were very light on 160M the first night.

The high bands were fantastic. We plunked ourselves down on a frequency below the US subband and ran EU hand over fist for hours. 15M opened for us in the 1100 hour, and we stayed there until the 1900 hour, when we started working the states on 10M. We dropped back to run the states on 15M late in the 2000 hour, and I was the operator. At this point I had one of the “way cool” moments in the contest. It usually takes 2-3 contacts on a new band for the masses to discover us. After my 6<sup>th</sup> contact I stood by and recognized 5 calls in the pileup. I was able to work WE3C, K3LR, K1TTT, W3LPL and KC1XX without so much as a QRZ. Within the next 10 contacts I worked K3PP, K3WW and K3TEJ, so FRC was well represented. We ended up with a 212 hour followed by a 218 hour before we backed down to 20M to work the states.

Then it was back to the nighttime grind. Peter and I usually like to stay up all night milking the low bands while Glen and Jim can catch a decent sleep. Then we rely on them to run the high bands for a few hours while we nap. My big moment occurred on Sunday morning in the 0400 hour when I worked our only three EU stations on 160M for 6 new multipliers. Later in the day, as I was running EU on 15M, Jim shoved a note under my nose. He could hear EU on 10M at the mult station. Tap, tap, click, twist, twist, and there I was, running EU on 10M. The first one went into the log at 1709z, and the last at 1748z. Counting the occasional US station, we made 85 Qs during that run. The opening did wonders for our multiplier total.

A couple of hours later we realized that we had run out of rum on Saturday night, so Peter and I left Jim and Glen in charge while we went in search of supplies. It took a while, but we found the requisite bottle and associated juices, so we would be all set for a post-contest libation. When the dust settled we had made 4,931 contacts in 402 countries and 123 zones for a claimed score of 6,509,475. Unfortunately, only 25% of this total will flow to FRC. Perhaps next time I can get a couple of FRC members to come along.

The ops all got up early on Monday to drive Peter to the airport. Jim, Glen, Chris and I would be staying on until Thursday. During that time Jim and Glen went diving again, and they took a boat ride down the coast to Plymouth to get a fascinating perspective on the damage from the volcano eruptions. It is quite moving to see just the tops of buildings protruding out of the ash, and only the end of the pier reaching out into the sea. Chris and I had taken the boat ride on an earlier trip, so we skipped the trip and made our customary visit to the philatelic bureau for Chris to augment her collection of Montserrat stamps. And on their third attempt, Jim and Glen finally succeeded in finding AIR Studios, something that had become a mission for Jim. In between tourist activities we took down the TH6 and replaced it on the tower with the CL-33. Some German hams would be arriving at Gingerbread Hill a few days after we left, so we left the CL-33 on the tower for them. Finally, it was time to begin the long trip home. Thanks to an 8-hour layover in Antigua it took 21 hours from driveway to driveway. Exhausting, yes, but I am already thinking about next year's CQWW contest and how to improve the signal on 40M.

Once again we would like to thank David and Clover Lea, the proprietors of Gingerbread Hill, for their hospitality and Frankie Morgan, VP2MNI, for his assistance with the licensing logistics.

## *FRC MEMBER SUBMISSION*

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K3ZM and AD4J



K2DM



Gingerbread Hill (front)



Gingerbread Hill (back)



### **Contest Season is Here!!!**

#### **Work Wanted:**

Experienced tower climber immediately available to perform antenna and tower maintenance.

Install/repair/remove antennas, replace feedlines and cabling, rotator servicing, guy wire renewal, new tower installations (guyed and self-supporting), and tower removal.

Reasonable hourly rates and scheduling that meets your needs.

Contact: John Crovelli W2GD

w2gd@hotmail.com

**Phone: 908 391 5611 (Mobile)**

### **Rexy's Holiday Meeting B**

Christmas Day and New Year's Day are on Friday's this year. As a result our annual holiday Meeting B will be held on Tuesday, December 29th at 7 PM. If you would like to attend, please provide N2SS with your name, guest's name if you are bringing one, and dinner choices by Monday December 28th at the latest. But the sooner the better so that we can get a head count estimate. Contact me at n2ss@n2ss.com or on my cell 609-221-4899 and let me know. Once again no price increase. These are the same prices as the last several years and as usual monies will be collected the night of the dinner.

Details:

**Place:** Rexy's, Black Horse Pike, Rt. 168 (just off the Walt Whitman Bridge)

**Menu:** Choice of Baked Manicotti, Chicken Piccante, Stuffed Flounder, Filet Mignon or Prime Rib

**Incl:** Soup or salad, rolls and butter, coffee/tea and ice cream

**Price:** \$24.50 for manicotti, chicken or flounder.

\$27.00 for Filet or Prime Rib.

The price includes tax and tip.

**Drinks:** Cash bar on your own..

### **New Philly Cell Phone Law Now in Effect**

Operating a two-way radio mobile in Philadelphia may cost you \$75 a pop beginning December 1 thanks to a new cell phone law in effect in the City.

While the purpose of the law is to discourage the use of cell phones while driving there is a clause which prohibits the use of a wireless communication device for voice communication while operating a motor vehicle on any street in the city. Hands free operation is permitted.

An article in the Philadelphia Inquirer quotes a 9th District Police Officer saying there are some exceptions to the new law. If your device is hands free. If you are calling 911. If you are using a two-way radio to conduct official business for the city, state, or feds. Otherwise the law says to put the car in 'park' or 'neutral.'

Local hams have been in touch with ARRL Volunteer Counsel to get their opinion of the bill. More information on the bill can be found in the Holmesburg Amateur Radio Club November newsletter at [www.harcnet.org](http://www.harcnet.org).

73, Bob, WA3PZO EPA ASM & Eric, WB3FPL

<http://www.lz1jz.com>



**Notes From  
Your Editor**

**H**oliday Meeting B time again! At this writing, just before Thanksgiving and less than a week after posting it, we already have 14 signed up coming from W2, W3 and W4-land.

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The price includes tax and tip.

**Drinks:** Cash bar on your own.

**OFFICIAL ARRL DXCC STATS**

Active Count.....	338
Deleted Count.....	58
Last Addition.....	FJ
Last Deletion.....	STØ



**HAPPY  
HOLIDAYS**

(My dog, used to my camera and my photography, can also be a 'ham.')

**5R  
MADAGASCAR**

F6ICX is on now signing as **5R8IC**. He is operating CW only on 80 through 10 meters from Sainte-Marie Island (AF-090) and will be active there until December 14<sup>th</sup>. You can QSL to his home call.

**FO/A  
AUSTRAL ISLANDS**

DL1AWI, DL3APO and DL5XU will be on as **FO/DL1AWI**, **FO/DL3APO** and **FO/DL5XU** from January 18<sup>th</sup> to February 5<sup>th</sup> from Raivavae Island (OC-114) in the Australs. They will be operating SSB and RTTY only on 160 through 30 meters-30m with a focus on low bands.

**T7 SAN MARINO**

The sunspot count has finally started to rise but, oh, ever so slowly! Here's a good test. Aurelio, IZØEGM will be operating in ARRL 10 Meter Contest on December 12<sup>th</sup> and 13<sup>th</sup> as **T7ØA** on CW and SSB.

**TJ CAMEROUN**

Last chance. **TJ3SL** is wrapping it up and getting ready to head back

home to F5PSA in mid-December. He plans to be active daily until then. QSLs go via F5PSA.

**XV VIET NAM**

Retu, OH4MDY and Henry, OH3JR continue active as **XV2RZ** and **XV2JR** respectively until December 7<sup>th</sup>. They can be found operating CW, SSB and RTTY on all bands. OH4MDY is handling QSL chores for both of them and his instruction is direct only.

**V5 NAMIBIA**

Now through December 15<sup>th</sup> look for DJ4SO signing as **V5/DJ4SO**. This is an all band 160 through 10 meters operation on SSB, CW, RTTY and PSK31. For a pasteboard, QSL to his home call. For just an ARRL confirm, he'll have it all up on LoTW.

**YJ VANUATU**

Januray 21<sup>st</sup> to 28<sup>th</sup> will find 9A4DU signing as **YJØXX**, 9A6DX signing as **YJØDX** and 9A8MM signing as **YJØMM** from Efate Island (OC-035). Operations will be on 160 through 10 meters on CW, SSB and RTTY. QSL chores for the group will be handled by 9A8MM.

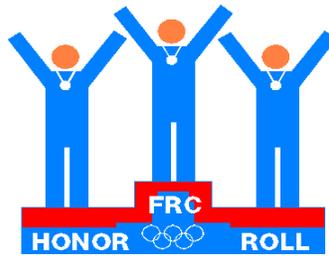
**N2 Special salute**

Have you made your contribution yet? Contribute to your Newsletter and get the **"S" "S"**.

©

**73, Tony N2SS**

You can reach me as follows:  
 H:856-227-4896 C:609-221-4899  
[n2ss@n2ss.com](mailto:n2ss@n2ss.com)



**DECEMBER**

*conducted by N2SS*

**2009**

**WARC BANDS**

<u>30 Meters</u>	<u>17 Meters</u>	<u>12 Meters</u>
<b>K2FL .. 337</b>	<b>K2FL...340</b>	<b>N2TK ..331</b>
N2TK.....336	<b>N2TK ..340</b>	K2FL.....327
N2LT.....329	N2LT.....339	N2LT.....324
W3BGN.....327	W3BGN...334	W3BGN...318
W2YC.....315	N2SS.....327	WØMHK..313
W8FJ.....311	WØMHK..325	N2SS.....303
N2SS.....303	W2UP.....322	W2YC.....283
W2UP.....296	W2YC.....321	K2PS.....270
WA2VYA..295	K2PS.....312	WA2VYA..269
K2PS.....292	WA2VYA..303	W2UP.....268
WØMHK ..290	N2MM.....300	W8FJ.....235
N3RD.....289	W8FJ.....300	N1IBM.....234
N2MM.....260	N1IBM.....279	KQ3F.....220
W2IRT.....244	W2IRT.....270	N1RK.....218
K3II.....234	KQ3F.....270	K3II.....203
N1IBM.....225	N1RK.....266	W2LE.....202
W2LE.....223	W2LE.....261	N2MM.....194
KQ3F.....217	K3II.....256	W2YR.....187
K2QPN ..185	K2AX.....236	W2IRT.....137
N2VW.....182	W2YR.....213	N2CQ.....128
N2CQ.....181	N2CQ.....191	AB2E.....92
AB2E.....156	K2QPN.....141	K2AX.....86
N1RK.....144	K2GN.....137	N2VW.....43
W2YR.....144	N2VW.....133	N2WKS.....37
K2GN.....97	K3ND.....130	K3GYS.....30
K3ND.....96	AB2E.....127	K2GN.....26
K2AX.....81	K3GYS.....85	K2QPN.....23
N2WKS.....51	N2WKS.....71	W2CG.....2
W2CG.....38	W2CG.....17	
K3GYS.....17		

Still no **KING OF WARC**



**Islands On The Air**

<b>K2FL..... 1029</b>	K2AX..... 298
N2SS..... 876	N2VW..... 282
W2YC..... 712	W2YR..... 271
W8FJ..... 623	W2IRT..... 232
N1RK..... 557	K3GYS..... 232
WØMHK..... 432	K2QPN..... 229
WA3RHW... 313	AB2E..... 205



**MOBILE DX**

<b>AA1K..... 278</b>	K3GYS..... 143
W2YC..... 276	WM3L..... 109
N2SS..... 234	W2YR..... 28

Jon continues as our B ig W heel.

**160 Meters**

<b>W3BGN .....306</b>	K3ND..... 137
AA1K .....304	N1IBM..... 122
WT3Q.....280	W2IRT..... 122
N2LT .....270	N2VW..... 121
N2TK.....262	K2PS..... 116
NO2R.....258	W2CG..... 116
K3SX.....254	K2GN..... 107
W8FJ .....240	K2AX..... 106
K3JIG .....230	AB2E..... 100
W2UP .....222	W2YR..... 92
W2YC.....222	KQ3F..... 88
N2MM.....195	N2SS..... 82
K3SWZ.....186	W2LE..... 71
WØMHK.....168	K3NL..... 70
WA2VYA.....162	N1RK..... 65
K3II.....160	N3RD..... 50
N3RS.....156	N2WKS..... 30
K2FL.....154	K2QPN..... 28
	K3GYS..... 12

W3BGN is the Top of Top Band!



**ATTY DIGITAL**

<b>W2UP.....342</b>	K2QPN..... 136
N2LT.....340	W2YR..... 132
K3SWZ.....329	K2GN..... 123
W3KB.....315	W2CG..... 91
K2PS.....303	N2SS..... 88
W2YC.....303	WA2VYA..... 84
KQ3F.....208	N2WKS..... 55
N2TK.....208	W3BGN..... 48
W2IRT.....206	N1RK..... 39
N2CQ.....188	K3GYS..... 15
W2LE.....171	W8FJ..... 12
N1IBM.....152	

**Rules for FRC Honor Roll Listings.**

DXCC Challenge is CONFIRMED total ACTIVE (no deleted) on 160-6 excl 60 Meters per ARRL rules. For all others provide me with your total IOTA's worked, or countries (including deleted) worked for: WARC Bands, 160 Meters, Digital modes, Mobile, 6 Meters or your total for 80,40,20, 15 and 10 for 1.5K Club.



**1.5K Club**

<b>K2FL..... 1726</b>	<b>W2CG .....1504</b>
<b>W3BGN .... 1715</b>	<b>KQ3F .....1501</b>
<b>N2LT..... 1707</b>	WA2VYA...1499
<b>N2TK..... 1706</b>	K3II .....1449
<b>W2UP ..... 1685</b>	N2VW .....1334
<b>N3RS..... 1645</b>	N1IBM.....1264
<b>W8FJ ..... 1619</b>	N1RK.....1312
<b>W2YC ..... 1616</b>	W2LE .....1225
<b>N3RD..... 1593</b>	AB2E.....1185
<b>N2MM ..... 1559</b>	W2YR.....1170
<b>NO2R..... 1556</b>	W2IRT.....1163
<b>N2SS ..... 1547</b>	K2GN .....1106
<b>K2PS ..... 1555</b>	K2AX .....1101
<b>K3ND..... 1510</b>	N2WKS .....817
<b>WØMHK... 1509</b>	K2QPN.....781



**ARRL DXCC Challenge**

<b>N2LT.....2994</b>	W2LE .....1864
N2TK..... 2946	W2YR.....1747
W2YC ..... 2811	N2VW .....1664
WØMHK... 2683	K2AX .....1631
WA2VYA .. 2602	W2CG.....1187
K2PS ..... 2394	AB2E .....1104
KQ3F..... 2206	K2GN .....1065
N1IBM ..... 1972	N2WKS .....1007
N2SS ..... 1952	W3KB.....901
N1RK ..... 1941	K2QPN.....809
W2IRT..... 1870	

Low continues in the lead.



**6 METER DXCC**

<b>WØMHK..... 113</b>	W2YR.....50
N2LT..... 112	W3BGN.....48
K2PS..... 109	W2LE.....46
AA1K..... 100	K2GN.....43
K300..... 95	N1IBM.....34
WA2VYA..... 88	K2AX.....21
K3SX..... 75	N2MM.....21
W2YC..... 69	K2QPN.....10
N1RK..... 57	K3GYS.....10
WT3Q..... 56	W2CG.....5
N2SS..... 55	N2WKS.....2
N2TK..... 54	



# THE FRANKFORD RADIO CLUB NEWSLETTER

P. O. Box 431 Albury, PA 18011-0431



Affiliated Club

## The Frankford Radio Club

### Club Officers

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Secretary, **N3ZA**, Moe Mosheim, Jr.....215-256-4004  
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Email: kq2m@earthlink.net

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Packet, **N3RD**, Dave Hawes ..... 610-935-2684  
Activities, **N3AD**, Alan Donziger .....610-581-7032  
Awards, **K2QM**, Dan Marlow ..... 609-683-5633  
Membership

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Email: kq3f@comcast.net  
Email: n3za@comcast.net

**Repeater** - 2 meters, 147.27/147.87 Input and Output PL tone, 114.8

**Home Page** - [www.gofrc.org](http://www.gofrc.org)

### Meetings

The next general meeting is the annual Pizza Blast at Noon on Wednesday, December 30 at the Crossroads Hotel in Hellertown, PA (see front page). Summer meetings are held at member homes (one Saturday/Sunday per month).

### Packet Cluster Contest/DX System

144.950 K3ZV  
145.050 W3TUA  
145.530 AA1K  
145.530 K3WW  
145.570 WT3Q  
145.670 W3PP

### Telnet DX Cluster

k2ut.gofrc.org  
k3ww.gofrc.org 7300  
wt3q.gofrc.org 7300  
tuacluster.no-ip.org:23