



THE FRANKFORD RADIO CLUB NEWSLETTER

PROFICIENCY THROUGH COMPETITION

CALENDAR

January 2008:

- 5-6 ARRL RTTY Roundup
- 8 FRC Main Meeting, Phila.**
- 8 Rexy Meeting B**
- 12-13 North Amer. QSO Party, CW
- 17 T.I.T.S. Meeting, Noon**
- 19-20 North Amer. QSO Party, SSB
- 22 Rexy Meeting B**
- 22 FRC West Meeting**
- 26-27 CQ 160 Meter Contest, CW

February 2008:

- 2 No. American Sprint, CW
- 2-3 Delaware QSO Party
- 9 No. American Sprint, SSB
- 9-10 CQWW RTTY WPX Test
- 12 FRC Main Meeting, Phila.**
- 12 Rexy Meeting B**
- 16-17 ARRL DX Test, CW**
- 21 T.I.T.S. Meeting, Noon**
- 23-24 CQWW 160 Meter Test, SSB
- 26 Rexy Meeting B**

March 2008:

- 1-2 ARRL DX Test, SSB**
- 11 FRC Main Meeting, Phila.**
- 11 Rexy Meeting B**
- 15-16 Russian DX Contest
- 20 T.I.T.S. Meeting, Noon**
- 25 Rexy Meeting B**
- 29-30 CQWW WPX Contest, SSB

CHANGES

New Member

K3QF

Jon Rudy
608 W. High St.
Manheim, PA 17545
717-207-9356
mccapr@gmail.com

Deadline for February issue:

Sunday, January 27, 2007

President's Column

It was nice to see such a nice turnout at the Pizza Blast in Hellersville. There were almost 40 attendees, the pizza and beer were great, and the discussions were lively and interesting. If you've never attended this event in the past, mark it on your calendars for 2008.

Those of you who participated in the CQWW Contests in the fall but who were not at the Pizza Blast will soon be receiving certificates of appreciation in the mail. Thanks for your efforts! Be sure your logs have been submitted! **FRC** Members who have not notified Doug, **W3CF** of their operating plans for the upcoming ARRL Contest Weekends will be receiving a direct mailing with a prepaid return envelope asking about their ARRL Test plans and exhorting them to participate. There has been considerable discussion about **FRC's** failure to win the ARRL Contest last year by a mere 5 million points. Let's make a concerted, club-wide effort to be active this year. Even if you can't commit to a full effort, please try to be active part time. Remember, every point counts. If we get on, we can definitely win!!

I hope everyone had a wonderful holiday season. Best wishes to you all during 2008! Let's hope the propagation gods send us some spots!

73, John W8FJ



2008

MEETINGS

Main Meeting

The main monthly meeting of the **Frankford Radio Club** will be held in King of Prussia on January 8 at 8 PM.

The firehouse is just off the King of Prussia exit of the PA. Turnpike. I-76 and US 202 intersect just 4 blocks west.



Follow signs for 202 N. to Allendale road. 4th light, I believe, including a flashing light from I-76. Turn Left. (McDonalds on right corner). Stay in right lane. Look for DOME building on right just past the small strip mall. Driveway alongside the DOME is the Fire house driveway. Hard to see unless you are looking for it. Turn Right and follow SLOWLY around the back of the building and park in the lower lot.

DO NOT GO OVER THE BRIDGE OVER THE TURNPIKE AND DO NOT TURN LEFT. YOU WENT TOO FAR.

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

Rexy Meeting B—The Rexy's **FRC Meeting B** meets about 8 PM on the second and fourth Tuesdays of each month.

FRC West meeting—The **FRC West** group will meet at Arment's Restaurant on Tuesday, January 22 at 6:30 PM. Contact Dale, **N3BNA** for more info and directions.

SK

John Fisher, K2JF

FRC 2007 Fund Drive New Contributors

AA1K/AB1P/N3TTT

W2TV

2008 FRC Open Date

Friday, June 27

New Member Bio

I recently moved into Manheim (Lancaster County) after nearly 20 years of overseas work. Starting in 6O in the late 80's I saw a beam but never operated in the three years there. After a stint in Colorado, our family went to 3DA where I operated for 6 years as 3DA0CA. After a short stint in Virginia, we lived in DU9 where I operated DU9/N0NM for 6 years. Now, holding call sign K3QF, our family of 4 all has our licenses. My wife, Carolyn-K3CIP and sons Solomon-K3SOL/ David-KB3NRQ, use 2 meters to keep up with each other. In the 30 years of being a ham, I have held calls WN0UZZ, WB0UZZ, AA0NM, N0NM with portable W7, W9, W4, MM, AM, I4, M, VE3, DU9, 4W3ZZ, 7P8ZZ, C91CO, ZS5UZ, A2/ZS5UZ/AM, and a few others I don't remember. I am currently doing independent consulting in the area of peacebuilding.

73, Jon Rudy K3QF

FRC SCORES—ARRL 160 METER CONTEST / FRC NEWS

Station	QSOs	US/VE	DX	Score	Class	Station	QSOs	US/VE	DX	Score	Class
AA1K	1,565	79	44	418,938	SO	N3NR	570	67	17	100,296	M
AA3B	437	64	17	75,168	M	N3RS	975	75	44	246,330	SO
AB2E	737	77	11	132,880	M	NO2R	1,048	74	39	275,833	M
K2AX				42,480	M	W2GD	1,625	79	51	478,530	M
K2PS	194	50	4	21,600	SO	<i>Ops. K2SG K2TW N2HM N2OO W2CG</i>					
K2TTT	493	59	13	68,884	M	<i>W2NO W2OB W2GD W2RQ</i>					
K3NL	64	30	0	3,840	sol	W2IRT	465	77	8	74,151	SO
K3WI	442	63	8	64,468	SO	W2YC	700	78	13	131,222	SO
K3WW	1,500	78	45	415,125	M	W3BGN	1,025	75	42	265,800	SO
K3ZV	123	37	5	10,962	SO	W3FVT				14,104	SO
K9RS	129	53	16	21,321	M	W3MF	604	70	21	116,207	M
KC2NB				127,386	SO	<i>Ops. W3MF K3PH</i>					
N2ED	550	74	9	93,790	SO	W3RJ				77,408	SO
N2VW	280	59	10	40,710	M	W8FJ	710	75	28	158,620	M
N2WKS	117	50	3	18,150	M	WE3C	1,462	78	52	441,350	M
N3EHY				7,622	SO	<i>Ops. W3FV NN3Q WE3C</i>					
N3KR	203	48		20,206	SO	WQ2N	244	46	10	28,504	SO

Telnet DX Cluster Update

In August of 2005, I sent to the **FRC** group the post at the bottom of this message. Alan, KF3B, saw the need for a backup node, he had a T-1 line available at his QTH, and being a good **FRCer**, stepped up to the plate and put KF3B-2 DX Spider node on the air. This has worked extremely well.

In the meantime, with the increased availability of Verizon FIOS connections (which are faster than Alan's T-1 line), it makes sense to consider moving "backup node" duties to a faster node, and that is what has been done. With Alan's help, Charlie **K3WW** has assumed the role of backup to **K2UT**, which goes to assure that there is an uninterrupted flow of spots to the worthy during the DX contests.

I want to thank Alan for his service to the club for the last 2+ years. I'm sure I speak for all those in the club who appreciate the reliability of the **FRC** cluster.

In other news, the **WT3Q** node has been living at **N3RD** for a while. It has been decided to upgrade the OS on the box, and a new copy of XP is on the way. Hopefully, **WT3Q** will return to the cluster within a few weeks. It is recognized that Sam's node is the gateway for several 2m users, and that it is important to get this node back on the air.

73 - Dave N3RD

<http://www.lz1jz.com>



Thank You From Cub Scout Pack 260!

Cub Scout Pack 260 would like to thank the **Frankford Radio Club** for their generosity in supporting our Jamboree On The Air event! A total of 68 Cub Scouts, Girl Scouts, and Boy Scouts took part in the event which was held at N3NR in Glen Mills, PA on Saturday, October 20th, 2007. Participants came from units located in Chester and Delaware County Pennsylvania, as well as New Castle County Delaware. Every Scout got a chance to make an on-the-air contact. A total of four stations were in operation during the event covering 40 meters, 20 meters, 17 meters, and 2 meters.



Amateur Radio Station N3NR, Glen Mills, PA

Jamboree On The Air

The Jamboree On The Air is an annual worldwide scouting event that pairs members of the Scouting community with Ham Radio operators. The Jamboree takes place literally on the air as Scouts make contact with one another via Ham Radio. The contacts take place on a multitude of radio frequencies from traditional shortwave frequencies to the VHF/UHF and microwave frequency ranges, using a multitude of communication methods including Morse code telegraphy, FM and single-sideband voice, and newer digital modulation methods.

On The Air Activity

Every Scout got a chance to speak on the air at one of the four operating positions that were setup for the day. Scouts were successful in making contact and talking with other JOTA stations in the United Kingdom, the Turks and Caicos Islands in the Caribbean, and many stations throughout the United States and Canada. The Scouts got to hear contacts with other stations throughout the world, including stations in the Ukraine, Senegal, Portugal, Slovenia, Germany, Denmark, and the Czech Republic. Each of the groups also got a demonstration of a traditional Ham Radio communication mode: Morse code telegraphy! Some of the Scouts were also successful in making contact with stations in the Laredo, Texas area using an IRLP link. IRLP stands for Internet Radio Linking Protocol and it is the name for a system that allows Ham Radio operators to use the internet as the middle leg of a radio contact.

Additional Activities

In addition to talking on the radio the Scouts got a chance to take part in several other activities. Every Scout was given an electronic kit to build. The kit building activity was overseen by Joe Everhart, N2CX, who is the Treasurer for the American QRP Club and the technical consultant to the New Jersey QRP Club. Scouts in grades 4 and above got a chance to build "The Cricket" kit as part of their time at the event. "The Cricket" utilizes a PIC microprocessor to sense temperature and then drive a speaker to make a cricket-like chirping sound. Scouts in grades 3 and below were given a Crystal Radio kit to take home to assemble and experiment with.



Members of Pack 1313 (Wilmington, DE) Making Contacts At The W3S 2 Meter (144 MHz) Station Under The Guidance Of Dr. Dennis Silage, K3DS Additional Activities



Members of Pack 260 (Glen Mills, PA) Making Contacts On The W3S 20 Meter (14 MHz) Station Under The Guidance Of Mark Smith, N2MR



Members of Pack 55 (West Chester, PA) and Troop 65 (Exton, PA) Making Contacts At The W3S 20 Meter (14 MHz) Station Under The Guidance Of Art Hitchens, N3DXX



Girl Scouts From Troop 5237 (Glen Mills, PA) Getting Ready To Operate At The W3S 40 Meter (7 MHz) Station With Brian Kelly, W3RV



Scouts From Pack 55 (West Chester, PA) and Troop 65 (Exton, PA) Assemble Their Cricket Kits With Help From Joe Everhart, N2CX



A Scout From Pack 260 (Glen Mills, PA) Working On His Cricket Kit

Throughout the day Scouts were shown a demonstration of Amateur Radio Emergency Communications by Bob Wilson, W3BIG, who is a member of the Delaware County Amateur Radio Emergency Service (DCARES). In addition to providing the equipment for the 17 meter station, Bob also gave an overview of other capabilities that can be deployed by DCARES in the event of an emergency. Concord Township Fire Marshal and Emergency Management Coordinator Fred Field, N3OFR, who is also a member of DCARES, also spoke to the Scouts regarding Emergency Communications and preparedness.



Girl Scouts From Troop 53309 (Garnet Valley, PA) Learning About Amateur Radio Emergency Communications From Bob Wilson, W3BIG, and Fred Field, N3OFR



Cub Scouts From Pack 260 (Glen Mills, PA) Learning About Amateur Radio Emergency Communications From Bob Wilson, W3BIG

The activity the Scouts all agreed they enjoyed the most was the Hidden Transmitter Hunting Game. Three miniature low powered AM broadcast band transmitters were hidden on the property and the Scouts were given the challenge of finding one of the hidden transmitters using a transistor radio.



Members Of Pack 1313 (Wilmington, DE) Search For One Of The Hidden Transmitters



Members Of Pack 260 (Glen Mills, PA) Search For A Hidden Transmitter



Found It!

Thanks To Our Volunteers—Cub Scout Pack 260 would especially like to thank the volunteers who helped make this event possible: from the Philadelphia Section of the Institute of Electrical and Electronics Engineers, Dr. Denis Silage (K3DS); from the New Jersey QRP Club, Joe Everhart (N2CX); from the Delaware County Amateur Radio Service, Fred Field (N3OFR) and Bob Wilson (W3BIG); from Frankford Radio Club, Art Hitchens (N3DXX), Brian Kelly (W3RV), Mike Moreken (AB2IO), Mark Smith (N2RM), and Al Zimmerman (K3WGR).

CONTESTING — TIPS, TECHNIQUES, RESOURCES

Editor's Note: Thanks to John, W8FJ, for passing this along.

Let's Play "Looney Bin"!

Have you heard about the latest game? It's called "Looney Bin". You could call it "Multiple Insanity", "Super Stupidity", or whatever you want, but here is how it is played:

All the players - and there are a great many of them - gather in a large confined area, which is also occupied by people who are NOT playing "Looney Bin". Each player arms himself with a club, the size of which is limited by regulations of the game to one kilogram (that's 2.2 lbs.). Some players use a hinged club, the effect of which is to transmit additional energy, so that their clubs are the equivalent of 2 kilograms - sometimes called "2KG peak effective power."

The game has an announced starting time, at which time the players - and there are a great many of them, as we said - proceed to attract the attention of other players by hitting them over the head with their clubs. As the area where the game is played is usually crowded, a great many who are NOT players get hit over the head with one kilogram, which they do not like at all.

The objective of the game is to see how many players can be hit over the head with one's one kilogram club. Each player must keep a record, called a log (not to be confused with the club, which is a small log of another type). The best players can hit other players over the head with their club while keeping their log with the other hand. Upon being hit over the head, a player announces (a) how sharp the blow was, rated on a 1 to 5 scale; and (b) the pressure of the blow, rated on a 1 to 9 scale. Thus, upon being struck, the player shouts "5-9", and proceeds to exchange blows with the player who has just bounced his club off the first player's head. Obviously, it takes a pretty hard head to play this game, but after partaking in a number of such contests, one's head becomes almost impervious to the blows. Many players drop their participation in such events, of course, since they see no point to either being hit on the head, or exercising violence upon others.

Some parts of the playing area are more accessible than others, and the real challenge to a player is to hit the more remotely located players. When everybody tries to do this, what is known as a "pile-up" occurs, with dozens of players being hit over the head at once, and hardly anyone ever hitting the head of the player at which he had taken aim. Such "pile-ups" are very frustrating, and many players have abandoned the game because of them. The winner of the game is the player who has swung his club most effectively, hitting more players on the head than anyone else, and in more areas of the playing space. Indeed, it is considered a great achievement to have hit people on the head in every square foot of the playing area!

A ticklish situation has developed as a result of so many games of "Looney Bin" being played in the playing area. Indeed, some group or other is sponsoring a game almost every weekend. The people who don't like to play "Looney Bin" actually outnumber by far those who are avid "Loonie's." But, when the non-players object to filling up the large confined area, of which we spoke, with club wielding "loonies", the objectors are called - of all things - "soreheads". If their heads are sore, it is pretty obvious what made them so.

The game is played rougher in some parts of the country than in others. Cheating consists primarily of using a heavier club than the 1 kilogram rules allow. In California, it is said, clubs weighing several kilograms -as much as 18 kilograms having been reported - are sometimes used, and they hit other players' heads very, very hard. They hit non-players just as hard, and some non-players would like to abolish "Looney Bin" once and for all. How about you?

W8AP

(The above was sent in by K3WS and is taken from "Auto-Call" (Washington, D.C.) April 1971. He writes, "There is a lesson here . but I'm not sure what it is! By the way, W8AP is not anti-contest and is frequently in there with the rest of us.")

Reprinted with permission from the November 28, 2007 Contest Rate Sheet

Fans of low-band receiving will enjoy the serious-SWling Web site <<<http://www.kongsfjord.no/>>> of the KONG DX-pedition group. These folks are broadcast DXers and a lot of what they do and know is directly applicable to low-band amateur operation. Be sure to check out "The Dallas Files" for even more goodies. (Thanks, Tim K3LR)

Who says you can't get good SO2R practice outside of major contests? The first step is to get your ears used to hearing two completely different audio streams. We are wired to do some pretty sophisticated correlation and processing to combine our binaural audio inputs. SO2R requires that processing to stop for a while. It can be pretty disconcerting, but with practice becomes fairly natural. Start simply by listening to the ball game in one ear of your headphones and the regular ham bands in the other. See if you can get to where you can listen to a QSO and the sporting event at the same time. Hint, the harder you try, the harder it gets...relax! Then move on to listening to a pair of ham signals. There are several tutorials on SO2R at the TR Log Web site <<<http://www.trlog.com/tworadiosupp.shtml>>>

Don W7WLL has found a good, low-cost source for weather and salt-resistant wire antenna support line at a distributor for marine hardware. He recommends the very fine braided nylon and Dacron leader line that comes in ½-pound and larger spools and available in black, white and green. Working strength ranges up to 450 pound teSt It is also very thin and hard to see.

Another "I hate when that happens" event is a connector pin sagging out of alignment while soldering. Les W2LK and George K6GT stops the plastic from melting and pins from moving by plugging the connector into a mating socket. Les then clips a clothespin type heat sink to the pin being soldered at the rear of the mating socket. It's not a guaranteed remedy, but it works well enough to give you a better chance to get the job done!

Eric N3EF has been converting his power connectors to Tyco/AMP Power Lock connectors <www.mouser.com/catalog/627/1063.pdf> <<<http://www.mouser.com/catalog/627/1063.pdf>>> to increase the pull-apart force. These connectors also mate with Anderson Powerpoles. The Tyco/AMP connectors have an 8-pound disconnect force as opposed to 3 for the Powerpole low-detent and 5 for the high-detent. The PowerLock-Powerpole combination has a 6-pound disconnect force.

Reprinted with permission from the December 12, 2007 Contest Rate Sheet

The Peter W. Dahl Company in El Paso, Texas, closed its doors as of December 31 -, according to Peter Dahl, K0BIT, owner and founder of the company that has made custom transformers for more than 40 years. Dahl, 67, is suffering from Parkinson's Disease. The company manufactured a wide variety of transformers and reactors for Amateur Radio and commercial radio and television applications. According to Dahl, many are direct replacements for original equipment components that are no longer available from the manufacturer, while others have general-purpose applications in any number of different transmitters. He said that they had more than 4000 individual transformer designs on file. QST columnist John Dilks, K2TQN ("Old Radio"), said the closing of the Dahl Company was "sad news for those of us who restore the big iron." Dahl told the ARRL, "I want to thank everyone for their business throughout the years. I have enjoyed making each Amateur Radio transformer." (Thanks, John K2TQN)

Bob K0RC is creating a series of log analyzers using the Excel spreadsheet program. The spreadsheets allow a contester to analyze and compare two logs from a contest. The information may influence their contest strategy the following year, or they may just want to look at the pretty tables and graphs! You can download the analyzers from his Web site at <<<http://chudek.aberon.net/>>>. Look in the "Files - Spreadsheets" album and click on the folder containing the analyzer you want to try. The most current version will always be posted in this location. Instructions are included in the spreadsheets - look for the tab at the bottom of the spreadsheet labeled "Instructions".

CONTESTING — TIPS, TECHNIQUES, RESOURCES

Reprinted with permission from the December 12, 2007 Contest Rate Sheet

With the many new Chinese call signs appearing on the bands, we need to be aware of which prefixes are in which zones. Doug K1DG did the homework on some of the prefixes: B*9A-F (Shaanxi province): Zone 24 B*9G-L, M-R, S-Z: Zone 23 Complete zone information is available at <<<http://www.cq-amateur-radio.com/wazlist.html>>>

Did you know that there are "push-on" versions of the PL-259? These come in mighty handy for patch panels when the cables are often moved. NK7U uses them in his multi-op station with no apparent problems. These would not be suitable for outdoor applications and in situation where that last few dB of shielding is critical, such as repeater cavities. Take a look at <<<http://www.therfc.com/uhf.htm>>> or <<<http://www.pl-259.com/page1.html>>> for examples of these connectors. (Thanks, Dave AB7E)

Tim K3LR uncovered two good on-line resources: A very nice Powerpoint presentation on baluns that can be downloaded in PDF format from <<http://www.geocities.com/ve2_azx/BALUNS2006-ang.pdf>>. There is plenty of detail about how baluns work and the differences between the various styles. The second is an on-line book, "Understanding Antennas For The Non-Technical Ham" <<<http://www.hamuniverse.com/n4jaantennabook.html>>> by Jim N4JA. The overly-technical among us will quibble with some of its bits and pieces, but the material may be just right to help a new ham pick up on the mysteries of the skyhook.

Owners of Cushcraft 40-2CD 2-element, 40 meter beams - particularly the older ones - should consider strengthening the antenna to withstand wind and ice. There are two good resources for information on how to significantly improve the antenna's survivability. The on-line article is at <<<http://www.qsl.net/k7vc/402cd.html>>> by Dave Leeson, W6NL (ex-W6QHS). If you have access to old issues of NCJ, look for "Simplified Strengthening of the Cushcraft 40-2CD" by N4KG in the Mar/Apr issue in 1994. Your antenna will thank you for it! And yes, replacement parts are available from Cushcraft at <<<http://www.cushcraft.com/>>>. (Thanks, Pat W7TMT and Dick WC1M)

Watt Meters



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73 Tim Brown NM3E 610-207-4865



Contest Season is Here!!!

Work Wanted:

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

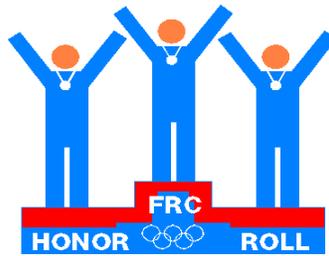
Install/repair/remove antennas, replace feedlines and cabling, rotator servicing, guy wire renewal, new tower installations (guyed and self-supporting), and tower removal.

Reasonable hourly rates and scheduling that meets your needs.

Contact: John Crovelli W2GD

w2gd@hotmail.com

New Reach Number: 908 391 5611 (Mobile)



JANUARY *conducted by N2SS* **2008**

WARC BANDS

<u>30 Meters</u>	<u>17 Meters</u>	<u>12 Meters</u>
K2FL.. 335	K2FL...339	N2TK ..330
N2TK333	N2TK 338	K2FL.....327
N2LT324	N2LT 336	N2LT322
W3BGN322	W3BGN ... 333	W3BGN ...316
W2YC308	W3CF 332	WØMHK ..310
N2SS295	N2SS 324	N2SS303
W8FJ293	WØMHK. 322	W3CF303
K2PS289	W2UP 319	W2YC278
W2UP288	W2YC 312	K2PS269
WØMHK ..279	K2PS 310	W2UP267
N3RD278	W8FJ 296	W8FJ233
K3II234	N1RK 259	N1RK218
W2LE221	K3II 256	K3II203
W2IRT212	W2LE 244	W2LE198
W2RQ182	W2IRT 241	N3KN191
AA2WN....174	K2AX 224	W2YR187
AB2E146	W2YR 202	NA2U156
N2VW144	W2RQ 192	W2IRT122
K3CT134	N3KN 171	W2RQ119
W2YR131	NA2U 167	W2IRT105
N1RK127	K3ND 127	AB2E92
N3KN126	K3CT 126	K3CT83
NA2U110	AA2WN ... 122	K2AX77
K3ND91	AB2E 121	N2VW36
K2AX72	N2VW 101	K3GYS30
W3CF61	K3GYS 85	AA2WN20
K3GYS17		

K2FL and N2TK still duking it out for that elusive, undisputed **KING OF WARC**

Rules for FRC Honor Roll Listings.
Provide me with your total IOTAs 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. Countries do not count until HQ Awards Committee takes action and announces a start date for a new country.

160 Meters

W3BGN301	K2PS 109
AA1K297	AB2E 100
WT3Q272	N2VW 97
N2LT262	W2CG 95
N2TK255	W2IRT 93
NO2R243	K2AX 91
K3SX241	NA2U 83
W8FJ225	W2YR 81
W2UP214	N2SS 79
K3JJG215	W3CF 77
W2YC201	K3NL 70
W2RQ166	W2LE 64
K3II160	K3CT 63
N3RS156	N1RK 51
WØMHK152	AA2WN 50
K2FL143	N3KN 34
K3ND137	K3GYS 12

Awesome! With 301 countries W3BGN continues at the Top of Top Band!

Digital

W2UP341	W2YR 132
N2LT338	KQ3F 132
K2PS297	W2CG 66
W2YC276	N2SS 53
AA2WN187	N1RK 39
N3KN181	K3GYS 15
W2IRT159	W8FJ 12
W2LE141	

MOBILE DX

AA1K276	K3GYS 143
W2YC276	AA2WN 131
N2SS234	W2YR 28

Misread Jon's update message. Jon and Dave are still tied. When the tie is broken, emerging will be our official B ig W heel.

1.5K Club

K2FL..... 1718	K3II 1449
W3BGN 1710	W2CG 1408
N2TK 1699	W3CF 1403
N2LT 1698	AA2WN 1379
W2UP 1682	NA2U 1365
W2RQ 1645	N2VW 1308
N3RS 1632	N1RK 1300
W8FJ 1607	W2LE 1193
W2YC 1584	AB2E 1185
N3RD 1573	K3CT 1180
NO2R 1556	W2YR 1153
K2PS 1539	N3KN 1120
N2SS 1537	W2IRT 1087
K3ND 1508	K2AX 1063
WØMHK 1478	

Islands On The Air

K2FL..... 1012	N2VW272
N2SS 845	W3CF253
W2YC 656	W2YR244
W8FJ 623	W2IRT232
WØMHK 381	K3GYS232
N1RK 555	AB2E205
WA3RHW 292	

6 METER DXCC

N2LT..... 110	N3KN52
K2PS 108	W2YR44
WØMHK 106	W2YC29
AA1K 99	K2AX21
K3OO 90	AA2WN15
K3SX 75	N2TK12
N1RK 57	K3GYS10
N2SS 55	

N2LT is right back at the top of 6 Meters!



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

Home Page - www.gofrc.org

Meetings

Meetings are held on the 2nd Tuesday of each month (Sep through May) at 8 PM at the University of the Sciences, Philadelphia. Summer meetings are held at member homes (one Saturday/ Sunday per month).

Packet Cluster Contest/DX System

144.950 K3ZV

145.530 AA1K

145.530 K3WW

145.570 WT3Q

145.670 W3PP

Telnet DX Cluster

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