



THE FRANKFORD RADIO CLUB NEWSLETTER

PROFICIENCY THROUGH COMPETITION

CALENDAR

January 2009:

- 13 REXY Meeting B**
- 15 T.I.T.S. Meeting, Noon**
- 17-18 Hungarian DX Contest
- 17-18 North Amer. QSO Party, SSB
- 24 CQWW 160 M Contest, CW
- 27 REXY Meeting B**

February 2009:

- 10 FRC Main Meeting, 7 PM**
- 21-22 ARRL DX Contest, CW**
- 28-1 CQWW 160 M Contest, SSB

CHANGES New members

N2PKP

Paige M. O'Brien
RD 2 324 White Horse Pike
Hammonton NJ 08037
n2pkp@hotmail.com
(Daughter of **K2AX**)

AB2BK

Leonard W. Davis
15 Connelly Ave,
BuddLake NJ 07828
lendavis@optonline.net
973-448-1284

Address Change

WB4FDT

7634 Carla Rd
Baltimore, MD 21208

W3TUA

71 E. Main St.
Dryden, NY 13053

Deadline for February issue:
Sunday, January 25, 2008

President's Column

Happy New Year to all! I hope that 2009 proves to be a great year for all **FRC** members and their families. I also hope it's a year with lots more sun spots. Approximately 30 people attended the Annual Pizza Blast. It was good to see many of you there.

Last year's CQ WW Contest race is history, but it's going to be close, perhaps decided by UBns. We're definitely in it, and hopefully, we will emerge "on top." The next round comes in February and March, so get your stations ready and your minds focused. If you need some help, make your needs known. If you need a place to operate, check with Doug, **W3CF**. Start planning now to maximize your efforts.

There will be NO FRC MEETING in January. We will have our next meeting at REXY's on the second Tuesday of February (February 10th) between 7-9:30 pm. This will be primarily a social gathering with no formal presentation, just a short business meeting. We need to give REXY's a "heads up" on the number of people who will be attending so they can set aside enough space for us. Please e-mail me (w8fj@aol.com) or phone me (610-279-6097) to let me know that you plan to attend. I hope the change in venue with a fixed date together with plenty of advanced notice will encourage increased attendance. Let's make an effort to attend this meeting, guys!

73 de John, W8FJ



2009

MEETINGS

Main Meeting

THERE WILL BE NO JANUARY MEETING.

The next meeting will be on Tuesday, February 10 at 7 PM at Rexy's.



T.I.T.S. meeting—The Trexlertown International Transmitting Society meets on Thursday, January 15 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.

CQWW Log Submission Information

Send CQWW CW logs to cw@cqww.com by **January 15, 2009**.

Be sure to save your confirmation from the robot. Anyone with problems can request help from k3ww@fast.net. **Please report scores to K3WW and be sure that CLUB is Frankford Radio Club**

ARRL Triple Play WAS Award

As of January 1, 2009, the ARRL will offer another award: The Triple Play Worked All States Award <<http://www.arrl.org/awards/#tripleplay>>. This new, exciting award is available to all amateurs who confirm contacts with each of the 50 states using three modes for each state: CW, phone and RTTY/digital. All 150 contacts must be made on or after the starting date and must be confirmed via Logbook of the World (LoTW) <<http://www.arrl.org/lotw/>>. All bands -- with the exception of 60 meters -- may be used in pursuit of the Triple Play Award.

According to ARRL Chief Executive Officer David Sumner, K1ZZ, the Triple Play Award is a one-time award -- once you have made the required 150 confirmed contacts via LoTW, you're done. "Even so," Sumner writes in "It Seems to Us" in the January issue of QST, "there are many possible variations on the theme. You can try to be the first (or at least the first on your block) or you can set your own pace. Think it's too easy? Limit yourself to QRP while operating your favorite mode (or all three).

FRC 2008 CQWW SSB CLAIMED SCORES

Station	QSOs	Zone	Ctry	Class	Score
AA1K	2,315	115	397	A	3,248,640
AA3B	1,524	113	418	AA	2,296,575
C6APR	3,824	110	382	M2	4,153,956
<i>Ops</i>	K3IXD W2GJ W3PP W8ZA				
CW5W	1,052	33	107	7	409,080
<i>Op</i>	CX6VM				
K2AX	1,797	119	431	M2	2,719,200
<i>Ops</i>	K2AX KC2TN KV2M N1RK N3RG W2MC W2OF W2RDS W3MM				
K2CJ	730	82	278	AA	752,400
K2DM				AA	711,774
K2GN	688	84	267	AA	686,907
K2QPN				AA	85,329
K2SQS				A	280,370
K3FT				AA	477,882
K3IPK				AA	731,080
K3LR	8,162	162	634	MM	17,018,480
<i>Ops</i>	K3LR DL6LAU KIAR K3UA K8GL K14MTU LU7DW N2NC N2NL N3GJ N3SD N6MJ W2RQ W3TX WM2H				
K3MD	866	99	299	AA	947,240
K3OO				AA	1,294,371
K3OX	342	71	179	A	244,223
K3TEJ				A	88,808
K3WI	666	77	239	A	589,656
K3WW	2,160	123	447	AA	3,453,630
K9RS	2,469	145	542	MS	4,637,937
<i>Ops</i>	K9RS N3DXX N02R W2GD				
KC2NB				MS	481,838
<i>Ops</i>	KC2NB AB2XW NB2P W2VRK				
KD2HE	67	23	50	AA	13,432
KP2M	6,456	139	495	MM	9,619,682
<i>Ops</i>	N2TK W3FV				
KQ2M	2,536	38	145	14	1,312,293
N2LT				A	65,554
N2MM	1,367	116	413	AA	1,986,924
N2NT	3,024	118	443	A	4,787,013
N2RJ	616	54	200	LA	499,834
N2RM	2,116	100	349	M2	2,723,185
<i>Ops</i>	N2RM K3ZV				
N2SS				AA	131,922
N2VM				LA	31,473
N2WKS	996	88	297	AA	1,086,085
N3AD	1,888	118	442	AA	3,002,720
N3NR				A	115,878
N3RJ	562	62	195	A	407,859
N3RS	4,247	144	541	M2	8,083,000
<i>Ops</i>	N3RS N2SR N3ED N3NA N3RD W3CF W8FJ WA3LRO				

Station	QSOs	Zone	Ctry	Class	Score
N3RW	232	39	122	A	106,582
N3YW	625	74	247	A	588,540
N3ZA	935	110	390	AA	1,307,000
NA2U	1,118	104	334	AA	1,385,394
NE3F	2,096	128	463	M2	3,426,618
<i>Ops</i>	NE3F AB3AH K3ATO KA3GWA N3OW WA3WLH				
V26B	7,447	138	480	M2	10,940,454
<i>Ops</i>	DL8OBQ N3BNA N3OC W2BZR WT3Q				
V48M				M2	8,134,113
<i>Ops</i>	K3NM W2OX				
VE2DXY	1,908			M2	1,268,634
<i>Ops</i>	K3FMQ KD3RF KD3TB				
VP5T				MM	7,189,318
<i>Ops</i>	N2VW W2WAS WA2VYA				
W1GD	1,115	106	391	AA	1,555,610
W2CG	1,330	108	376	M2	1,817,904
<i>Ops</i>	W2CG K2TW W2EN				
W2IRT	866	98	341	AA	1,066,331
W2LE	601	71	218	AA	484,653
W2RD				AA	1,483,885
W2UP	587	83	293	AA	617,768
W2VQ				MS	290,142
<i>Ops</i>	W2VQ WQ2N				
W2YC	1,324	108	395	M2	1,869,088
<i>Ops</i>	W2YC AA2WN N2CQ W0MHK				
W2YR				AA	646,931
W3BGN				A	2,937,344
W3CC	1,150			MS	1,751,758
<i>Ops</i>	W3CC N3GNW				
W3EA	786	85	297	AA	847,657
W3FVT				A	171,360
W3GK				AA	292,824
W3GM				AA	1,066,046
<i>Op</i>	K3ND				
W3IZ	627	71	224	AA	530,116
W3MF	1,217	101	366	MS	1,593,871
<i>Ops</i>	W3MF K3PH				
W3SQ				A	41,548
W6XR				AA	332,270
WB3FIZ				AA	59,451
WE3C	5,594	153	593	M2	11,568,222
<i>Ops</i>	WE3C K3CT KQ3F KQ3V NN3Q W2GD				

FRC receives a portion of some of the DXpeditions and Multi Op scores listed.

Please contact **K3WW** if your score is not listed.

FRC 2008 CQWW CW CLAIMED SCORES

Station	QSOs	Zone	Ctry	Class	Score	Station	QSOs	Zone	Ctry	Class	Score
AA1K				A	3,330,740	PJ4A				MS	14,641,891
AB2E				AA	133,408	<i>Ops</i> K4BAI KU8E NO2R W4OC				A	7,056,400
K2CJ				AA	405,440	<i>Op</i> AA3B				A	11,169,870
K2GN				AA	696,789	<i>Op</i> N2NT				A	4,150,000
K2PS				LA	1,144,206	VP2MDG				A	1,942,017
K2QPN				AA	306,272	<i>Op</i> K2DM				AA	3,791,920
K3II				AA	220,424	W1GD				AA	908,800
K3MD				MS	2,111,508	W2CG				AA	812,646
<i>Ops</i> K3MD AB3AX						<i>Ops</i> W2CG W2EN W2NO				LA	281,436
K3ND				AA	1,190,040	W2LE				AA	1,382,376
K3NM				AA	53,120	W2RD				M2	3,521,847
K3OO				AA	2,542,068	W2REH				<i>Ops</i> W2YC AA2WN KA2NDX N2CQ	
K3PH				AA	2,597,058	W2UP				W0MHK	
K3PP				AA	642,978	W2YC				MS	752,424
K3WW				AA	5,321,970	<i>Ops</i> W2YR W2OX				MS	4,100,000
K9RS				MS	5,888,011	W3BGN				MS	4,100,000
<i>Ops</i> K9RS KD2HE N3DXX						<i>Ops</i> W3BGN K2TW				AA	432,551
KC1XX				MM	15,414,144	W3CC				AA	1,049,485
<i>Ops</i> KC1XX K1GQ K1QX K1TR KA1R KM3T						W3CF				A	104,960
NIKWF N2AA W1FV W2RQ WA1Z						W3FVT				AA	632,960
KC2NB				AA	46,748	W3GK				AA	134,680
KC3WX				A	537,551	W3IZ				AA	852,302
KD3TB1				AA	141,645	W3KB				MM	7,323,650
KP2M				M2	15,765,534	<i>Ops</i> W3PP K3WI N4FX WB4FDT WW3DE				A	376,420
<i>Ops</i> K3CT K3TEJ K3VA						W3RJ				A	78,000
KV2K				AA	4,079,835	W3SQ				AA	60,048
<i>Op</i> K2NG						W3TUA				AA	1,154,370
M/N2WKS				AA	817,080	W6XR				AA	35,056
<i>Op</i> N2WKS						WA3RHW				AA	645,428
N2BA				14	646,093	WB3FIZ				M2	11,472,224
N2LT				A	3,890,000	<i>Ops</i> WE3C KF3B KQ3F NN3Q W3FV				MS	1,066,717
N2MM				AA	2,424,176	WQ2N				<i>Ops</i> WQ2N W2VQ	
N2TK				AA	364,266	WT3Q				1.8	36,566
N3AD				AA	3,838,498	ZP0R				A	1,593,220
N3GNW				AA	217,770	<i>Op</i> N3BNA					
N3NR				AA	3,096						
N3RJ				A	527,000						
N3RS				MM	10,106,850						
<i>Ops</i> N3RS K3IPK N3ED N3NA W8FJ											
N3RW				A	130,758						
N3ZA				AA	1,017,126						
N9GG				Q	11,766						
NA2U				MS	2,917,200						
<i>Ops</i> NA2U K2TTT											
NE3F				M2	3,561,272						
<i>Ops</i> NE3F AB3AH K3ATO WA3WLH WE3E											
WU3M											
P40W				A	9,020,000						
<i>Op</i> W2GD											

FRC receives a portion of some of the DXpedition and Multi Op scores listed above.

If you were active and not listed please contact **K3WW** with your score ASAP

Reprinted with permission from the November 26, 2008 ARRL Contest Update

Randy K5ZD's article <www.eham.net/articles/20500> on sleep deprivation strategy for contests has been republished in the articles section of eham.net. (Thanks, Randy K5ZD)

Steve KG5VK writes, "It is amazing how many of our fellow hams offer tools that enhance the enjoyment of our hobby. One such tool is K0RC's Excel spreadsheet <chudek.aberon.net/index.cgi?mode=album&album=./Files-Spreadsheets> for contest log analysis. Stating this tool allows log analysis is one heck of an understatement, his Excel work book allows a great deal of data to be mined from a log."

The pre-formed "Big Grips" used on high-strength metal guy wires are also available for non-metallic Phillystran. (Be sure to order the right ones - the metal and Phillystran grips are not interchangeable!) Bob W3YY has posted step-by-step <www.w3yy.com/> pictures of their installation on his Web site, posting the pictures in the Projects section under "Phillystran". Roger K8RI notes that installation of the grips is much easier and likely more secure with the Phillystran under tension during installation. You'll also notice that there is a short leg and a long leg in each grip. Steve K7LXC observes that starting the installation process with the short leg makes the process much easier.

Reprinted with permission from the December 10, 2008 ARRL Contest Update

Pete N4ZR wondered why the ARRL counts 14 VE provinces and territories, while the RAC and the Canadian Government consider Newfoundland and Labrador to be one entity? ARRL Contest Branch Manager, Sean KX9X took a big gulp of morning coffee and looked it up. "Newfoundland-Labrador was admitted into Canada in 1949. At that time, the format for the ARRL DX Contest was that ALL stations sent a signal report and transmitted power, not just the DX stations. Beginning in 1955, the ARRL DX Contest rules changed so that W/VE stations sent their state or province. From the very first event, Newfoundland and Labrador were separate multipliers."

The current position by many contest sponsors is "log the dupes!" if you are in the vast majority of contesters using computer logging. Software used for scoring handles the dupes automatically so that both stations receive proper credit for the contact. No penalty is assessed! (Paper logs may be handled differently, so check the rules, you pencil-pushers!) If your logging software does not log dupes, please contact its author and ask for that to be changed.

If you find yourself drowning in an sea of "packet pileup" callers, don't despair! Make a note of the frequency (or add the station to your band map) and come back ten or fifteen minutes later. Many times, you'll find the pileup dissipated enough to make the contact on the first call! In the meantime you can be tuning around the frequency, frequently finding unspotted contacts. Many is the time I've tuned away from a roaring pileup to find another multiplier--sometimes from the same location--CQ-ing to very few callers.

Paul K5AF sends this method for making a cheap lightweight mast, "Use the thinnest schedule PVC pipe you can find, buy a can of "Great Stuff", make a telescoping mast about 28' long with three diameters of PVC, drill a small hole every foot and shoot the Great Stuff in, let it harden and you have a very rigid mast for Inverted-Vees and other wire antennas. If you wish, you can even embed ladder line in the mast before you shoot the foam inside, from what I can tell, Great Stuff has pretty decent dielectric properties."

When rebuilding or refilling an oil-cooled dummy load, such as a Heath Antenna or MFJ-250, be sure to use the manufacturer's recommended type of oil. Mineral oil can be obtained from feed stores or aircraft maintenance facilities. Transformer oil is a little less common, but can be ordered by the gallon from MFJ Enterprises. <<http://www.mfjenterprises.com/Categories.php?sec=25>> (Thanks, Bob N7XY and Roger K8RI)

Reprinted with permission from the December 10, 2008 ARRL Contest Update

Technology abounds in the shacks of contest operators--databases, recorders, automated call sign decoders, to name a few--but it can't guarantee that every piece of information will be logged correctly. Errors creep in from every chink in the accuracy armor, even typos have cost many a QSO at log-checking time. Knowing that one's log is very likely imperfect and with the log submission deadline days away, the temptation to polish it a little (or a lot) is strong and the competitive drive can make one's ethics weak. CQ WPX Manager and Contest Hall of Fame member Randy Thompson K5ZD weighed in on the subject this week after watching some post-contest discussion of call signs on the cq-contest reflector. Let's listen to what he has to say...(this post is also available as contesting.com Article 45.)

"Two calls...have been discussed on the cq-contest reflector in the past days. People were more than happy to point out these calls were incorrect and what the correct call was... I was very disappointed and concerned by that.

"What is contesting? It is a competition between operators. This competition involves working stations on the air during the contest period. Part of working stations is recording them accurately in the log.

"When the contest is over the participants submit their log (the record of their activity) to the contest sponsor. The sponsor checks the logs and publishes the results. Some people are declared winners, but everyone is also able to compete with themselves and measure their own improvement.

"Seems pretty simple...

"If testers sit around after the contest and compare their logs with others in order to make corrections to what they copied, is that within the spirit of the competition? You are still competing to work stations, but accuracy is no longer being tested. Same is true if you use other means after the contest to correct your log (looking at DX Summit records, listening to audio recordings, etc.).

"In the "old days" ops would write their log using pencil and paper. They would then have to manually go back through and dupe the log. During this process they would correct errors they found or make the text easier to read. This process took time and is a big part of the reason there is a 30 day period to submit logs. It also led to this perception that correcting logs after the contest was OK.

"Today, we keep our log on computer. At most we should scan through the log looking for typos and fixing anything we made a note of during the contest. These corrections should be done by you based on your own review and knowledge of the log. Not as a group effort or using outside tools!

"It's ok if you didn't get every call or exchange correct. Yes, your score may be reduced by the log checkers. That's part of the competition. Request your log check report after the results are published and study it. If you confuse certain letters on phone or CW you know what to work on during the next contest. It's called improving your skills and should be the most satisfying part of contesting.


"Do contesting and yourself a favor--follow the rules and work the contest as best you can. Put your log in the proper format. Send it in as quickly as possible after the contest. The result will be an honest and fair competition that can be used to measure your skills against others and yourself.

"And if anyone asks you to confirm a call that was worked in the contest, just say no. Encourage them to do the right thing and send in their log as it recorded their activity."

This and related subjects were also addressed by CQ Contest Committee member Doug KR2Q in a May 1996 article in National Contest Journal magazine. The ARRL Contest Advisory Committee has published a set of guidelines for HF contest operating, too. To be sure, there is nothing wrong with analyzing and reviewing your log to improve your accuracy, operating strategy, understanding of propagation, and so forth. That's part of the continual and life-long path to the Top Ten. But understand that what you discover applies to the NEXT contest. 73, Ward N0AX

Former Eastern Pennsylvania Section Manager Allen Breiner Sr, W3TI(SK)

Former Section Manager in the ARRL Eastern Pennsylvania Section Allen R. Breiner Sr, W3TI, passed away on November 19, 2008. He was 88. Breiner was first elected as Section Communications Manager -- as the SM job used to be known -- in 1959 and held that post for 12 years. He was elected as SM in 1995 and re-elected in 1998 and 2000, but stepped down in December 2000. Breiner also served as EPA Public Information Officer from 1999-2000, Official Observer from 2001-2002 and Official Emergency Station from 1996-2000. "Allen was very active in Amateur Radio," said current EPA Section Manager Eric Olena, WB3FPL. "His presence will be missed by many." Breiner is survived by son Allen R Breiner Jr, W3ZRQ, daughters, Sylvia Seely and Linda Kunkel, and brother Eugene.



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

<http://www.lz1jz.com>





Notes From Your Editor

Trusting you had a Happy New Year, the night prior to New Year's Eve we managed a most enjoyable annual Meeting B Holiday Dinner. I don't recall when we first started doing this but I have digital photos of this annual event going back to 1996. What a dramatic difference between digital photography then and now! So, this was at least our 13th year for this event which is always a great time. Hope to see you there next year! BTW,

anyone have photos prior to 1996?

FRC Honor Roll Clean Up

The start of the new year means it is also time to go through the FRC Honor Roll listings to remove any inactive calls. If over the past year you have not provided me with any updates and your totals have not changed then unless you advise me that you wish to continue to participate, your call will be dropped from the listings. Please remember, nothing personal here. Just trying to keep the

Honor Roll listings active and meaningful.

N 2 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

Left side:
 Bob K2QP
 and XYL Marie,
 XYL Maria and
 Jack N2VW,
 Charlie W2TV and
 XYL Ellie,
 XYL Jane and
 Nick K3NL.

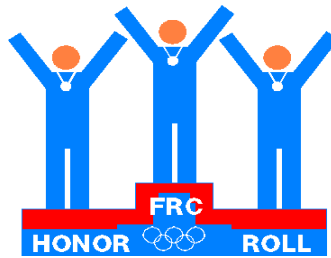


Right side:
 YL Mad and
 Steve K2SB,
 XYL Janice
 and Chas K2BU,
 Joe KC2TN,
 Debbie W9QWN,
 XYL Sandi
 and Mike W2OF,
 Bruce WA3RHW.

Left side:
 Bruce WA3RHW,
 Mike W2OF
 and XYL Sandi,
 Debbie W9QWN,
 Joe KC2TN,
 Chas K2BU
 and XYL Janice,
 Steve K2SB
 and YL Mad.



Right side:
 Nick K3NL
 and XYL Jane,
 XYL Ellie and
 Charlie W2TV,
 Jack N2VW
 and XYL Maria,
 XYL Marie
 and Bob K2QP.



JANUARY *conducted by N2SS* **2009**

WARC BANDS

30 Meters	17 Meters	12 Meters
K2FL .. 337	K2FL...340	N2TK ..331
N2TK335	N2TK 339	K2FL.....327
N2LT326	N2LT 337	N2LT.....323
W3BGN324	W3BGN ... 333	W3BGN...317
W2YC314	N2SS 325	WØMHK ..313
W8FJ302	WØMHK.. 323	N2SS.....303
N2SS298	W2UP..... 322	W2YC.....281
W2UP294	W2YC 319	K2PS.....269
K2PS290	K2PS 311	W2UP267
WØMHK ..288	W8FJ 299	W8FJ.....235
N3RD284	W2IRT..... 270	N1RK.....218
W2IRT244	N1RK..... 261	K3II.....203
K3II.....234	K3II 256	W2LE198
W2LE.....221	W2LE 244	W2YR.....187
K2QPN176	K2AX 236	W2IRT137
N2VW.....165	W2YR 203	W2IRT105
AB2E156	K2QPN..... 129	AB2E92
N1RK134	AB2E..... 127	K2AX86
W2YR134	K3ND 127	N2VW.....35
K3ND91	N2VW..... 123	K2QPN22
K2AX81	K3GYS..... 85	K3GYS30
W2CG38	W2CG 17	W2CG.....2
K3GYS17		

Still looking for that elusive, undisputed **KING OF WARC**

ARRL DXCC Challenge

N2LT 2964	N1RK 1908
N2TK 2925	W2IRT 1870
W2YC 2764	W2YR 1712
WØMHK ... 2629	K2AX 1631
K2PS 2295	W2CG 1187
N2SS 1952	AB2E..... 1104
.....	K2QPN..... 754

Lew continues in the lead.

MOBILE DX

AA1K 277	K3GYS..... 143
W2YC 276	W2YR 28
N2SS 234	

Well, he's done it! Jon is now our official B ig W heel.

160 Meters

W3BGN305	K2FL..... 151
AA1K301	K3ND..... 137
WT3Q.....275	W2IRT 122
N2LT264	W2CG 116
N2TK.....259	K2PS 112
NO2R.....258	K2AX..... 106
K3SX243	N2VW 103
W8FJ235	AB2E 100
K3JIG230	W2YR..... 83
W2UP220	N2SS 81
W2YC.....211	K3NL 70
K3II160	W2LE..... 64
WØMHK158	N1RK..... 56
N3RS156	K2QPN 25
.....	K3GYS 12

W3BGN, our ultimate 160 Meter DXer, continues at the Top of Top Band!

DIGITAL

W2UP.....342	KQ3F 132
N2LT339	K2QPN 120
K2PS.....298	W2CG 91
W2YC.....294	N2SS 65
W2IRT.....206	W3BGN 41
W2LE141	N1RK..... 39
N2TK.....140	K3GYS 15
W2YR.....132	W8FJ..... 12

Rules for FRC Honor Roll Listings.
DXCC Challenge is CONFIRMED total ACTIVE (no deleted) 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

K2FL..... 1725	K3ND1508
W3BGN 1711	W2CG1504
N2TK..... 1703	WØMHK1499
N2LT..... 1703	K3II1449
W2UP 1684	N2VW1315
N3RS..... 1638	N1RK.....1309
W8FJ 1619	W2LE1193
W2YC 1607	AB2E1185
N3RD..... 1578	W2IRT.....1163
NO2R..... 1556	W2YR.....1157
N2SS 1545	K2AX1101
K2PS 1544	K2QPN758

Islands On The Air

K2FL..... 1021	K2AX298
N2SS 856	N2VW.....275
W2YC 692	W2YR.....248
W8FJ 623	W2IRT.....232
N1RK555	K3GYS232
WA3RHW... 313	AB2E205
WØMHK..... 381	K2QPN 198

6 METER DXCC

N2LT..... 110	WT3Q.....50
K2PS 108	W2YC.....47
WØMHK..... 108	W2YR.....44
AA1K..... 100	N2TK.....29
K30093	K2AX21
K3SX..... 75	K3GYS 10
N1RK 57	K2QPN9
N2SS 55	W3BGN.....7
.....	W2CG.....5

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

President, **W8FJ**, John Schrader.....610-279-6097
Vice Pres, **K2UT**, Bob Applegate.....609-714-9359
Secretary, **N3ZA**, Moe Mosheim, Jr.....215-256-4004
Treasurer, **K2QM**, Bob Shohet.....203-270-8456

Email: w8fj@aol.com
Email: bob@applegate.org
Email: n3za@comcast.net
Email: kq2m@earthlink.net

Committee Chairman

Repeater, **K3NL**, Nick Leipold 610-449-8910
Packet, **N3RD**, Dave Hawes 610-935-2684
Activities, **N3AD**, Alan Donziger610-581-7032
Awards, **K2QM**, Dan Marlow 609-683-5633
Membership

Newsletter & Roster

Editor, **KQ3F**, Joe Stepansky 717-657-9792
Printing, **N3ZA**, Moe Mosheim, Jr... ..215-256-4004

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

Meetings

Meetings are held on the 2nd Wednesday of each month (Sep through May) at 8 PM at the firehouse at 170 Allendale Road in King of Prussia, PA . 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
tuacluster.no-ip.org:23