



THE FRANKFORD RADIO CLUB NEWSLETTER

PROFICIENCY THROUGH COMPETITION

CALENDAR

September 2007:

- 1-2 All Asian DX Test, SSB
- 8-9 Worked All Europe Test, SSB
- 9 North American Sprint, CW
- 11 FRC Main Meeting, K of P**
- 11 Remy Meeting B**
- 15-16 Scandinavian Test, CW
- 16 North American Sprint, SSB
- 20 T.I.T.S. Meeting, Noon**
- 22-23 Scandinavian Test, SSB
- 25 Remy Meeting B**
- 29-30 CQWW RTTY Contest

October 2007:

- 6-7 Oceania DX Contest, SSB
- 6-7 California QSO Party
- 9 FRC Main Meeting, Phila.**
- 9 Remy Meeting B**
- 13-14 Oceania DX Contest, CW
- 13-14 Pennsylvania QSO Party
- 18 T.I.T.S. Meeting, Noon**
- 20-21 Worked All Germany Contest
- 23 Remy Meeting B**
- 27-28 CQWW SSB DX Contest**

November 2007:

- 3-4 ARRL Sweepstakes, CW
- 10-11 Worked All Europe, RTTY
- 10-11 OK/OM DX Contest, CW
- 13 FRC Main Meeting, Phila.**
- 13 Remy Meeting B**
- 17-18 LZ DX Contest
- 17-18 ARRL Sweepstakes, SSB
- 15 T.I.T.S. Meeting, Noon**
- 24-25 CQWW CW DX Contest**
- 27 Remy Meeting B**

CHANGES

None this month

Deadline for October issue:
Sunday, September 23, 2007

President's Column

Hi everybody! I can't believe that the summer is just about over and contest season is just around the corner. We are a "Contest" club and need scores from everyone; if we do that we can beat YCCC no sweat. We are very excited to be moving the **FRC** to the 21st century. **We are working on having the first meeting the 2nd Tuesday of September at the King of Prussia Fire Hall.** I am looking forward to brainstorming regarding the future of **FRC** and planning the 2007/2008 contest season.

I was saddened to hear about the death of Norm **K3NZ**. He was a well respected member of **FRC** for many years. Not only did he contribute points, he helped a lot of guys during his tenure as well as being a club officer. He will be missed.

This is an exciting time for our club and looking forward to the contest season ahead.

73's Art N3DXX

IMPORTANT NOTE!!!!

September Main Meeting Location Change

The September Main Meeting will be held at the firehouse in King of Prussia. See page 2 for more details.

SK

Norm Zoltack, K3NZ

Norm passed away on August 22, 2007.

Rest in peace, Norm, we're going to miss you.

MEETINGS

Main Meeting

The main monthly meeting of the **Frankford Radio Club** will be held in King of Prussia on September 11 at 8 PM. **Note this is a different location.** Location is the firehouse in King of Prussia.



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.

One of the subjects for this meeting will be "**What Is The Goal of FRC?**" That may not sound like a "fun" topic, but it's a very important one. Give it some real thought before the meeting, and come prepared to contribute in the discussion.

T.I.T.S. meeting—The Trexlertown International Transmitting Society meets on Thursday, September 20 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 DXPeditions



The **VP5T** Team will be at VP5JM's on Providenciales, (NA002), Turks & Caicos Islands from 23 Oct to 30 Oct for the CQWW DX SSB 2007 Contest 27-28 Oct.

Operators: Frank, **WA2VYA**; Ken, **K2WB**; Tony, **W2WAS** and Jack, **N2VW**.

CW and WARC bands before and after contest.

VP5T: QSL to N2VW - LOTW upload after 30 days - Buro OK. Portable calls via homecall or qrz.com. SWL QSLs OK."

2006 FRC Fund Drive



The 2006 **FRC** Annual Fund Drive is now officially underway. This issue should contain a stamped envelope for your contribution.

Here a few reminders when getting ready to make your annual contribution to help keep our club running...

- 1) **PLEASE** make **ALL** checks payable to **FRANKFORD RADIO CLUB, and NOT KQ2M.**
- 2) **PLEASE** write your return address and callsign on the envelope.
- 3) **PLEASE** write your callsign/callsigns on the check.
- 4) **PLEASE** seal the envelope.

Each year quite a few people forget to do at least one of the above and we lose some contribution checks. Also, some people make a much-needed contribution but then do not receive credit for making it. Clearly no one wants that, so **PLEASE** take a few extra seconds to make sure that you follow #1 - 4 before you mail the envelope.

If for some reason you don't get an envelope, or you misplace it, you can send your contribution to:

Robert L. Shohet, KQ2M
51 Scudder Road
Newtown, CT 06470

As you know, these are contributions and not "dues" so there is no fixed rate. To set the scale, however, it may help you to know that the cost of operating the club last year was about \$45.00 per member

List of FRC Contributors as of July 14, 2007

AA2WN	K300/K3000	W3GNQ/W3LRS	W3MM/W3RAT	
AA3B	K3II	N2CQ	NA2U	W3CC
AB2IO	K3JGJ	N2LT	NC1A	W3CF
K2AX	K3MD	N2TK	NO2R	W3EA
K2DM	K3ND	N2VW	NW3Y	W3FV
K2FL	K3PH	N3BNA	W2CG	W3FVT
K2JF	K3TEJ	N3ED	W2LE	W3KV
K2NG	K3VA	N3KR	W2OF	W3MF
K2PS	K3WW	N3NR	W2RD	W3PA (FL)
K2SG	K9RS	N3RD	W2REH	W3SOH
K2UT	KC2NB	N3RW	W2UDT	W4AA
K3ATO	KD2I	N3VV	W2UP	W8FJ
K3CT	KD2RE	N3YW	W2YC	WA2VYA
K3CY	KQ2M	N3ZA	W2YR	WQ3E
K3FMQ	KQ3F	N8NA	W3AP	
K3GYS	N2BA	N9GG	W3BGN	

Volunteers Needed: Celebrate the 50th Anniversary Of The Jamboree On The Air With Cub Scout Pack 260 on Saturday October 20th, 2007!

Calling all **FRC** operators; particularly those in the Western Delaware County, Southern Chester County, and the Northern New Castle County areas! **N3NR** will be hosting a celebration of the 50th Annual Jamboree On The Air with Scouting units from the above mentioned areas. We have a number of activities planned for Scouts of all ages including:

- ◆ A QSO for every Scout!
- ◆ Contacts with other JOTA Stations
- ◆ Participation in the WOSM Around the World in 50 Hours Program
- ◆ Build a Crystal Radio
- ◆ Build the "Cricket" CW message sounder courtesy AmQRP/NJQRP Club
- ◆ Design, build, install, and use a simple wire antenna
- ◆ Fox Hunt Contest courtesy AmQRP/NJQRP Club
- ◆ Text Message versus CW messaging contest
- ◆ Demonstration of Emergency Communications Operations by Delaware County ARES
- ◆ Demonstration of IRLP by Marple Newtown ARC

In addition to these demonstrations we would also like to carry out demonstrations of CW operating and Contest Operating (two strengths of **FRC**!) including an entry in the WAG contest!

We are looking for volunteers from **FRC** to come out to **N3NR** and help staff the Contest Demonstration station and the CW station as well as some of the other activities mentioned above.


This will be a daylong event!

This is your chance to pass your love of our great hobby along to the next generation! If you can't make it here please try to work us on 40m, 20m, or 17m. We will be operating with the special event callsign **W3S**.

Finally I would like to express my thanks as well as the appreciation of all members of Cub Scout Pack 260 to the **FRC** leadership for the club's encouragement for our cause!

For more information go to www.gvpack260.org and click on the JOTA link on the right hand side of the page!

We hope to see you on October 20th!
73 de N3NR/W3S
GO FRC!



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73 Tim Brown NM3E 610-207-4865

FRC 2006-2007 CONTEST SEASON SCORES

Rank	Call sign	CQ SSB	CQ CW	ARRL SSB	ARRL CW	Total
1	W2GD	10,449,828	12,322,725	2,329,470	5,282,112	30,384,135
2	K2NG	2,443,664	5,148,960	5,494,230	3,849,252	16,936,106
3	N2NT	12,009,900			4,125,474	16,135,374
4	AA3B	2,114,732	8,043,526	1,270,422	3,119,379	14,548,059
5	K3WW	3,299,940	6,358,116	1,844,832	2,903,538	14,406,426
6	AA1K	2,960,856	4,168,692	2,369,718	3,414,798	12,914,064
7	W3BGN	3,117,120	3,164,396	2,214,562	2,209,104	10,705,182
8	N2TK	4,358,264		6,311,700		10,669,964
9	W3FV	4,358,264	2,890,112	636,120	2,109,376	9,993,872
10	N2LT	1,386,080	4,061,094		2,735,040	8,182,214
11	WE3C	4,000,608		1,272,240	2,405,364	7,678,212
12	K3TEJ		3,709,888		3,185,850	6,895,738
13	N3AD	2,967,966		1,348,584	2,407,716	6,724,266
14	N3RS	1,661,250	3,646,666	1,281,700		6,589,616
15	K3OO	716,292	2,124,008	435,080	3,237,240	6,512,620
16	W1GD	1,973,340	1,938,208	1,006,080	1,314,220	6,231,848
17	NN3Q	1,411,024	2,213,652	636,120	1,765,176	6,025,972
18	K2DM	1,015,290	4,654,188		338,436	6,007,914
19	W2UP		1,813,101		4,088,058	5,901,159
20	W3PP	1,968,525	2,602,144	1,153,036		5,723,705
21	W8FJ	830,625	1,823,333	691,222	2,309,328	5,654,508
22	KQ3F	893,768	2,870,350	449,232	1,218,232	5,431,582
23	K3MD	860,254	2,206,548	773,984	1,429,947	5,270,733
24	K2PS	1,106,496	1,568,658	1,354,644	1,068,960	5,098,758
25	W2OX			2,537,366	2,337,297	4,874,663
26	N2ED	3,121,572	1,482,016			4,603,588
27	K3PH	637,031	3,096,798	347,749	512,632	4,594,210
28	N3MX	1,158,664	2,014,196	880,440	515,340	4,568,640
29	K2TW	560,784	1,582,198	1,107,281	1,104,552	4,354,815
30	NO2R	560,784	1,582,198	1,107,281	1,104,552	4,354,815
31	K3IPK	830,625	1,823,333	180,576	1,451,769	4,286,303
32	K9RS		4,234,005			4,234,005
33	K3CT	193,875	417,852	236,280	3,185,850	4,033,857
34	KQ2M		3,361,100		480,150	3,841,250
35	W2CG	1,121,568	1,786,002		807,802	3,715,372
36	NE3F	948,258	1,460,722		1,275,000	3,683,980
37	K3ND	1,262,430	1,251,558	409,944	645,390	3,569,322
38	N3ZA	1,152,684	1,066,280	718,146	624,876	3,561,986
39	N3RD	830,625	1,872,639	640,850		3,344,114
40	N3ED	830,625	1,823,333	640,850		3,294,808

FRC 2006-2007 CONTEST SEASON SCORES

Rank	Call sign	CQ SSB	CQ CW	ARRL SSB	ARRL CW	Total
41	N3NA	830,625	1,823,333	640,850		3,294,808
42	N3DXX	1,385,699		640,850	1,203,858	3,230,407
43	K2AX	734,558	1,485,402	365,064	613,696	3,198,720
44	N2RM			1,150,500	2,006,400	3,156,900
45	KA2AEV	3,121,572				3,121,572
46	K2QM	522,941	1,248,583	267,525	1,076,712	3,115,761
47	W2LE	731,836	1,157,960	357,556	771,450	3,018,802
48	NA2U	278,980	1,875,424	669,600	22,842	2,846,846
49	K3NM			2,537,366		2,537,366
50	N3NR	555,074	1,418,624		430,794	2,404,492
51	KD2HE	555,074	1,418,624		430,794	2,404,492
52	N2VW	1,884,511		168,164	237,222	2,289,897
53	WA2VYA	1,884,511			403,658	2,288,169
54	N2SR	830,625	742,701	182,532	306,848	2,062,706
55	W3MF	1,274,062		695,498		1,969,560
56	W3CC	1,340,710	69,160	542,430		1,952,300
57	W2YC	375,390	846,356	117,750	600,336	1,939,832
58	W2WAS	1,884,511				1,884,511
59	W2RQ		1,872,639			1,872,639
60	W2EN	560,784	893,001		403,901	1,857,686
61	N3BNA	145,200	1,068,110		633,138	1,846,448
62	K3ATO	474,129	730,361		637,500	1,841,990
63	N3RJ	507,608	707,772	250,632	358,480	1,824,492
64	AA2WN	375,390	846,356		600,336	1,822,082
65	W2IRT	1,388,152			395,524	1,783,676
66	K3YD	579,332	503,549	440,220	257,670	1,780,771
67	W3CF	474,129	730,361	408,918	159,832	1,773,240
68	N2BA	522,941	1,248,583			1,771,524
69	N2EA	522,941	1,248,583			1,771,524
70	W2RD	930,952	515,100	261,738		1,707,790
71	KQ3V	987,924		636,120		1,624,044
72	W2OF	367,279	742,701	182,532	306,848	1,599,360
73	N3RG	367,279	742,701	182,532	306,848	1,599,360
74	N1RK	532,980	537,312	439,920		1,510,212
75	N2NL		1,440,758			1,440,758
76	N2NC		1,440,758			1,440,758
77	K2TTT	739,540		616,938	79,650	1,436,128
78	W3GK		743,536		532,650	1,276,186
79	W3TUA	474,129	730,361		69,120	1,273,610
80	N2WKS		1,248,583			1,248,583

FRC 2006-2007 CONTEST SEASON SCORES

Rank	Call sign	CQ SSB	CQ CW	ARRL SSB	ARRL CW	Total
81	W2RDS		742,701	182,532	306,848	1,232,081
82	W3IZ	337,840	762,850	66,300		1,166,990
83	K3II	387,750	692,360	70,200		1,150,310
84	WT3Q	652,972	26,918	411,570		1,091,460
85	AB3AH				1,076,712	1,076,712
86	K3ZV		742,701		306,848	1,049,549
87	N3GNW	522,941	118,216	267,525	81,252	989,934
88	KF3B				874,368	874,368
89	W3BG				868,263	868,263
90	N3YW	436,248		281,740	142,128	860,116
91	N3KR	212,266	639,988			852,254
92	N2MR	456,202		193,200	176,754	826,156
93	N3PUR	430,127		386,992		817,119
94	AB2IO	522,941		267,525		790,466
95	N2AA		790,400			790,400
96	N3KN	251,292	502,164			753,456
97	WA3LRO			640,850		640,850
98	NM3E			636,120		636,120
99	N3FTI			636,120		636,120
100	K2QPN		302,212	47,250	229,770	579,232
101	KC2NB	193,864	1,128	309,618	73,248	577,858
102	W2NO				531,413	531,413
103	N2CQ		380,275		150,084	530,359
104	KD2P			182,532	306,848	489,380
105	NT3V	474,129				474,129
106	N3OW	474,129				474,129
107	K3GYS		320,754	84,753	55,720	461,227
108	W3FVT	146,850	146,984		146,832	440,666
109	KD3TB	298,480	99,828			398,308
110	K2GN	345,084	33,580			378,664
111	W2YR	378,181				378,181
112	KC2TN	367,279				367,279
113	N2AB	357,430				357,430
114	K2CJ		38,696	208,800	82,038	329,534
115	KW3F		123,552		202,800	326,352
116	NY3C	304,560		8,772		313,332
117	K3FMQ	298,480				298,480
118	KD3RF	298,480				298,480
119	K3OX		232,106			232,106
120	AB2E			55,770	170,264	226,034

FRC 2006-2007 CONTEST SEASON SCORES

Rank	Call sign	CQ SSB	CQ CW	ARRL SSB	ARRL CW	Total
121	W7TDC			217,540		217,540
122	K3BU	167,050	40,580			207,630
123	K3VA	30,212	170,544			200,756
124	K3PP	193,875				193,875
125	K2SQS	86,870	34,336	63,532		184,738
126	W2UDT		135,724			135,724
127	K2UT			134,514		134,514
128	AA2U		131,136			131,136
129	N3RW	89,384	32,140		8,016	129,540
130	K3JGJ		122,368			122,368
131	KB3TS	103,428				103,428
132	N2VM	30,368	40,430	13,724		84,522
133	W3AP		53,300	21,284		74,584
134	KD3CN	72,600				72,600
135	NB3I	72,600				72,600
136	W3EEE	72,600				72,600
137	N9GG		6,112	3		6,115
138	W3PA	2,872				2,872

Upcoming Hamfests (Thanks to Glenn, K3SWZ)

September 8	Stroudsburg, PA
September 16	Gloucester County, NJ
Contact: aa2wn@arrl.net	
September 30	Wrightstown, PA
October 6	Brownstown, PA
October 7	Howard County, MD
October 21	Sellersville, PA
October 28	Westminster, MD



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)

[CONTESTING — TIPS, TECHNIQUES, RESOURCES](#)

From John, **K3CT**...Regarding the CT definekey tip in the August **FRC** newsletter....The definekey command doesn't work in CTWin when trying to remap keys that require the use of the ALT key. The workaround is to make the definekey file using CTDOS and then copy it into the CTWin directory.

Reprinted with permission from the August 8, 2007 Contest Rate Sheet

Putting up VHF and UHF antennas quickly just got a lot easier due to the Connect Quick boom-to-mast system from Paul K1PJM at Ironworks Design. He has invented a kind of "quick disconnect" for antennas that looks like a real time-saver. His Web site (<http://www.connectquick.net/>) has illustrations and a video showing how the product works. Ham ingenuity strikes again!

Mike WA8MCQ found a good online resource (<http://www.g3ynh.info/index.html>) for technical articles about HF power transmission. At the top of the page, click on "From Transmitter to Antenna: HF power transmission theory and practice" and you'll find an index page with a lot of articles. "Theory and optimisation of current transformer bridges" is interesting, too.

Alex KR1ST just released (<http://www.kr1st.com/freckles.htm>) a Sidebar Gadget for Windows Vista called Freckles. (Vista is required) Freckles is a small application that will keep you informed of the current Sunspot Number, Solar Flux, and Interplanetary A and K indices. These values are continuously updated so you don't have to go browse the net for the latest numbers or log onto a spotting network to obtain the latest numbers. It also displays the latest Extreme Ultraviolet Telescope image of the sun.

Another story, this time about RF interference (http://news.com.com/2100-1033_3-6199149.html), has a number of excellent observations about where the fault usually lies. The context is RF interference from TDMA (such as GSM) mobile phones, but the information is just as true when applied to interference from HF equipment. (Thanks, Dan KI6X)

OK already, how much does the ratio of up-and-down to back-and-forth matter in the construction of an Inverted-L? LB Cebik provides the REAL answer in the article "Does the Ratio of Vertical Wire to Horizontal Wire Make a Difference in Performance?" It's part of the document "Straightening Out the Inverted-L" (<http://www.cebik.com/fdim/fdim10.pdf>) (Thanks, Larry N8KU)

If the contest in which you're operating counts multipliers on each band, make it easy to "move a mult" by keeping a set of pass frequencies in your radio's memories. Then practice changing quickly from VFO to MEMORY mode (and back again). That way, you'll not be flustered trying to think of a good frequency on the fly.

To drive a dozen ground rods for his tower, Gene AD3F used a 4-inch long piece of 3/4 inch threaded water pipe (black iron.) He screwed an iron cap (available from the same sources) onto one end and slipped the pipe over the ground rod, hammering on the end cap until the rod was in place. Wrapping a bit of tape on the rod at the open end of the pipe prevented scratching the copper cladding while driving each rod. The cap eventually broke after about half the rods, but the pipe and cap are inexpensively replaced. Remember to wear eye protection while bashing away!

Jim K9YC has posted a new version of his excellent tutorial (<http://audiosystemsgroup.com/RFI-Ham.pdf>) on RFI, Ferrite Chokes, Baluns, and audio for hams. It has the same filename as the original, but the title shows Rev 1, 25 Jul 07. The new stuff is primarily about choke baluns wound with big coax (RG8X, RG8). There is a major update to the Choke Cookbook, based on extensive measurements of these chokes. There are also some additions to the appendices, and a few tweaks and typos fixed throughout the document.

<http://www.lz1jz.com>



N2SS
FRC DX NEWS
 Editor

SEPTEMBER 24th YEAR 2007

Notes From Your Editor

A summer meeting is always a pleasure at the QTH of K2AX and his lovely wife, Donna. Immediately below is a snap of the August meeting's gracious hosts.



Gus K3GYS, Tom N2SR, Rich N1RK and Joe KC2TN enjoying the camaraderie and the picture perfect weather we had that afternoon.



From deep in South Jersey, Harry AA2WN and Dave W2YC.



Here's Nick N3NA who takes on the appearance as the 'youngster' in this group shot with oldtimers Steve K2SB and Sig N3RS.



Above were this meeting's mystery guests! Guess who they are and win an Icom 7800, or was it a plate of sausage and peppers from Mark's caterer? Submit your entries to K2AX!



This believe it or not is Mark's "shack" or as Donna calls it 'his real home'. It's a separate building some 15 or 20 yards from the main house. Not viewable in this photo is the large screen HDTV behind me. The shack is complete with bathroom facilities, a refrigerator – Donna is right, all the amenities of home! So, when you hear Mark put out a call for operators at this comfortable multi-op station, this is where you would be 'roughing' it.

Here, John, W8FJ, takes a break from conducting the business meeting with those in attendance.



W3BGN who probably traveled the greatest distance, braving the fire raging in the Jersey Pinelands, catching up with Charlie K2BU and John W8FJ. Behind them is the west end wall of the K2AX 'shack'.

CURRENT OFFICIAL ARRL DXCC STATISTICS

Active Count.....	337
Deleted Count.....	58
Last Addition.....	KH8/S
Last Deletion.....	ST0

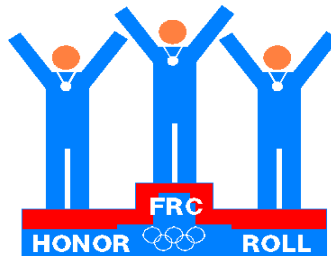
"S"pecial "S"alute

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



SEPTEMBER

CONDUCTED BY N2SS

2007

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	N2LT.....321
W3BGN320	W3BGN ... 332	W3BGN ...315
W2YC308	W3CF 332	N2SS.....303
N2SS295	N2SS 324	W3CF303
W8FJ293	W2UP 318	W2YC278
K2PS289	W2YC 312	K2PS.....269
W2UP286	K2PS 310	W2UP267
N3RD272	W8FJ 296	W8FJ.....233
K3II234	N1RK 257	N1RK.....218
W2LE221	K3II 256	K3II.....203
W2IRT212	W2LE 244	W2LE198
W2RQ182	W2IRT 241	N3KN191
AA2WN...174	W2YR 202	W2YR.....187
AB2E146	K2AX 192	NA2U156
N2VW144	W2RQ 192	W2IRT122
K3CT134	N3KN 171	W2RQ119
W2YR131	NA2U 167	W2IRT105
N3KN126	K3ND 127	AB2E92
N1RK116	K3CT 126	K3CT83
NA2U110	AA2WN ... 122	K2AX69
K3ND91	AB2E 121	N2VW36
W3CF61	N2VW 101	K3GYS30
K3GYS17	K3GYS 85	AA2WN.....20
K2AX15		

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

W3BGN297	AB2E 100
AA1K294	N2VW 97
WT3Q264	W2CG 95
N2LT257	W2IRT 93
N2TK255	NA2U 83
NO2R241	W2YR 81
K3SX241	N2SS 79
W8FJ225	K2AX 77
W2UP211	W3CF 77
K3JIG215	K3NL 70
W2YC201	W2LE 64
W2RQ166	K3CT 63
K3II160	N1RK 51
N3RS156	AA2WN 50
K2FL143	N3KN 34
K3ND137	K3GYS 12
K2PS109	

W3BGN continues as the undisputed Top of Top Band.

Digital

W2UP341	W2YR 132
N2LT337	KQ3F 132
K2PS297	W2CG 66
W2YC276	N2SS 53
AA2WN187	N1RK 39
N3KN181	K3GYS 15
W2IRT159	W8FJ 12
W2LE141	



MOBILE DX

W2YC276	K3GYS 143
AA1K274	AA2WN 131
N2SS234	W2YR 28



1.5K Club

K2FL..... 1718	K3II1449
W3BGN 1706	W2CG1408
N2TK 1699	W3CF1403
N2LT 1695	AA2WN1379
W2UP 1680	NA2U1365
W2RQ 1645	K2AX1334
N3RS 1632	N2VW1308
W8FJ 1607	N1RK1300
W2YC 1584	W2LE1193
N3RD 1561	AB2E1185
NO2R 1552	K3CT1180
K2PS 1539	W2YR1153
N2SS 1537	N3KN1120
K3ND 1508	W2IRT1087



Islands On The Air

K2FL..... 1012	N2VW272
N2SS 842	W3CF253
W2YC 656	W2YR244
W8FJ 623	W2IRT232
N1RK 549	K3GYS232
WA3RHW292	AB2E205



6 METER DXCC

K2PS108	N3KN52
N2LT107	W2YR44
AA1K 99	W2YC29
K3OO 90	K2AX18
K3SX 75	AA2WN15
N1RK 57	N2TK12
N2SS 55	K3GYS10

K2PS displaces long standing leader N2LT at the top of 6 Meters



THE FRANKFORD RADIO CLUB NEWSLETTER

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



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The Frankford Radio Club

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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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