



THE FRANKFORD RADIO CLUB NEWSLETTER

PROFICIENCY THROUGH COMPETITION

CALENDAR

September 2003:

- 6 FRC Meeting, N3AD 1PM**
- 6 NA Sprint, CW
- 6-7 All Asian DX Contest, SSB
- 9 FRC Main Meeting, Phila**
- 9 Remy Meeting B**
- 13 NA Sprint, SSB
- 13-14 WAE DX Contest, SSB
- 18 T.I.T.S. Meeting, Noon**
- 20-21 Scandinavian Contest, CW
- 21 FRC North, 6 PM (page 3)**
- 23 Remy Meeting B**
- 27-28 CQ/RJ WW RTTY DX Test
- 27-28 Scandianvian Contest, SSB

October 2003:

- 4-5 Oceania DX Test, SSB
- 4-5 California QSO Party
- 11-12 Oceania DX Test, CW
- 11-12 Pennsylvania QSO Party
- 14 FRC Main Meeting, Phila**
- 14 Remy Meeting B**
- 16 T.I.T.S. Meeting, Noon**
- 25-26 CQ WW DX Test, SSB**
- 28 Remy Meeting B**

CHANGES

Email

K3GYS

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Address

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Seaford, DE 19973

President's Column

This will be a short column this month as I have been busy and also out of town. Just as a reminder, this month's club meeting will be held at the College of Pharmacy in Philadelphia on October 14th at 8 PM. We will again be in the same room in the Rosenburger building in which we met last May. Also, if you have not yet attended a summer picnic meeting, please plan to join us on Sept. 6th for the last one of this season at **N3AD's** farm. Detailed directions are included in this newsletter.

The new contest season for the club starts on October 24th and 25th. I hope everyone will be ready to participate and support the **FRC Club score!** We **need everyone's efforts to make us #1 again.** We have many members going out on DXpeditions, so make a list of them and be sure to work each of them on all 6 bands.

Since I promised to keep this message short, I'll close for now and hope to see you at the next college meeting.

73, Joe K3NM

FRC ARRL 2003 Top 10 Finishes

(if I missed anyone, let me know - Ed.)

ARRL CW

Single Op - **KQ2M, AA1K**

Single Op Assisted - **W2UP (1st), K3WW, AA3B, W2GD, W3FV**

Multi-2 - **N3RS**

Multi-Multi - **N2RM**

ARRL SSB

Single Op - **KQ2M, W3BGN, AA1K**

Single Op Assisted - **K2NG (1st), K3WW, NO2R, AA3B**

Multi-Single - **NE3F**

Multi-2 - **N3RS, N2NT**

Multi-Multi - **W3PP, N2RM**

<u>Club</u>	<u>Score</u>	<u>Logs</u>
YCCC	267.0M	228
FRC	253.2M	158

Summer Meeting at K3NM



The magnificent antennas at **K3NM**



OK, two of you stay here to block, one go short to the right, the other short over the middle. Norm, you go long!



Strategic planning session



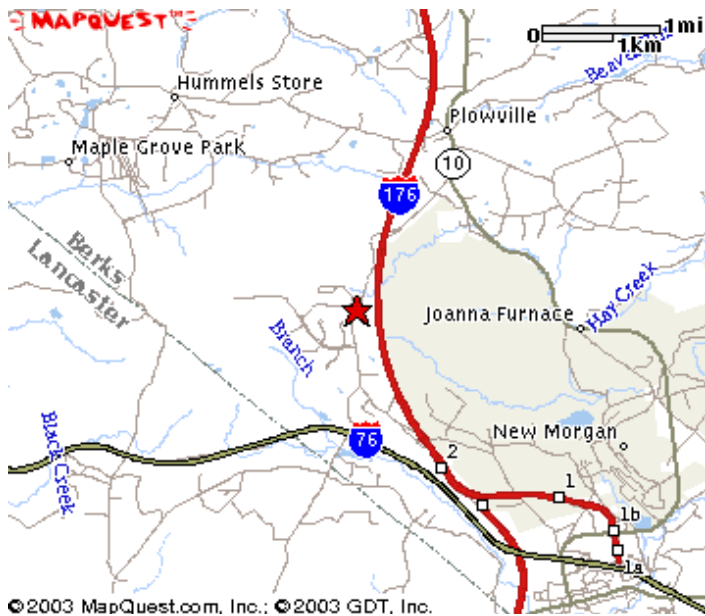
Now see, I don't think you can ever have enough aluminum or copper. Until you can pin an S meter in Europe on 160 at noon, you're not loud enough.

**FRC Summer Meeting
At N3AD
Saturday, September 6, 2003, at 1PM**

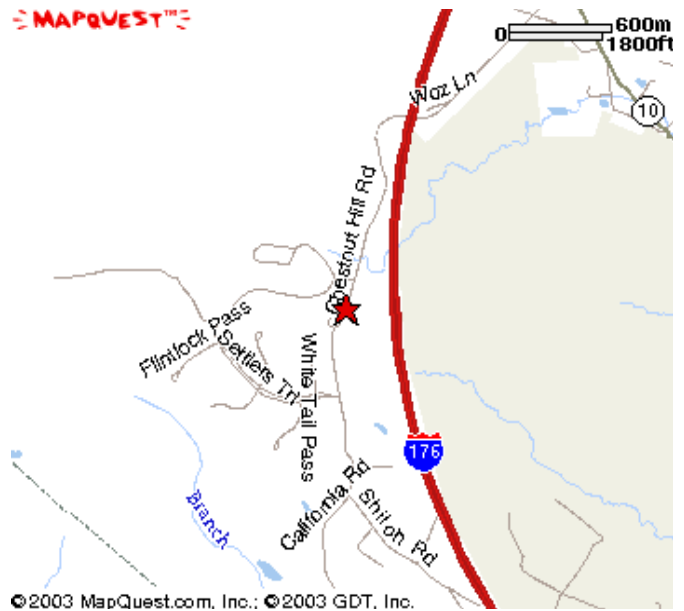


Written directions will be provided in the next newsletter, but here are two maps, one close in and the other a little farther out, that should help. The address is 2205 California Road, Morgantown, PA 19543.

Farther View



Closer View



T.I.T.S. meeting

The Trexlertown International Transmitting Society meets on Thursday, September 18 at 12:00 noon. Location to be determined. Keep an eye on the **FRC** reflector for more info..

Rexy Meeting B

The Rexy's **FRC** Meeting B meets after the main **FRC** meeting on the second Tuesday of each month, and at about 8 PM on the fourth Tuesday of each month.

FRC North

The FRC North group will meet on Sunday, September 21 at 6 PM at the Powerhouse Restaurant, Interstate 80, Exit 273 Contact John, **K3MD** for more info.

FRC 2002-2003 Contest Season Scores

Rank	Call sign	CQ SSB	CQ CW	ARRL SSB	ARRL CW	Total
1	KQ2M	8,162,940	7,455,312	4,500,324	5,761,488	25,880,064
2	W2GD	7,300,854	11,235,827	2,177,161	3,309,606	24,023,448
3	K3WW	5,815,440	6,705,660	3,627,988	5,595,210	21,744,298
4	W2OX	6,807,552	2,797,130	6,345,654	3,279,720	19,230,056
5	N2RM	3,534,898	5,403,252	5,494,860	3,891,082	18,324,092
6	AA3B	3,681,920	8,533,992	1,800,558	3,918,040	17,934,510
7	N2NT	3,571,900	6,237,616	2,177,161	4,949,864	16,936,541
8	AA1K	4,384,182	4,963,254	2,859,100	4,533,438	16,739,974
9	W3BGN	4,521,940	4,553,952	2,927,788	3,831,400	15,835,080
10	K2NG	5,080,000	4,548,400	3,940,266	1,752,968	15,321,634
11	W2UP	1,168,592	7,539,052		5,667,078	14,374,722
12	K3IPK	1,935,986	9,329,893	749,028	1,604,500	13,619,407
13	K3TEJ	1,632,312	7,648,302		4,096,116	13,376,730
14	N2LT	2,450,088	4,566,300	2,246,476	3,954,648	13,217,512
15	N2ED	5,255,555	2,701,626	646,272	4,263,210	12,866,663
16	N3RS	3,705,206	3,728,868	2,121,070	2,768,404	12,323,548
17	N3AD	3,549,136	3,026,706	1,893,494	2,558,160	11,027,496
18	NO2R	3,770,072	3,540,824	1,840,644	1,752,968	10,904,508
19	N2MM	4,984,056	4,537,776	946,747		10,468,579
20	W1GD	3,864,798	3,059,458	1,794,724	1,379,601	10,098,581
21	N2TK	2,599,595	1,269,704	6,194,814		10,064,113
22	W3FV	2,068,784	3,219,664	1,730,660	2,914,656	9,933,764
23	AB2E		7,648,302		1,477,288	9,125,590
24	K3NM	2,487,582	1,683,730	1,565,196	3,209,000	8,945,508
25	K2QM	2,402,989	1,900,000	1,246,905	3,034,560	8,584,454
26	WA2VYA	5,370,336	929,538	128,324	1,381,616	7,809,814
27	NA2U	2,053,440	2,206,458	1,060,535	2,134,470	7,454,903
28	K3MD	2,048,424	2,370,724	672,768	2,191,860	7,283,776
29	WT3W	2,237,382	1,755,120	1,695,000	1,259,964	6,947,466
30	K2NJ	1,150,000	3,178,716		2,590,000	6,918,716
31	K3ND	2,278,071	2,095,476	1,156,992	1,330,182	6,860,721
32	N2WKS	1,785,950	1,900,000	2,177,161	982,107	6,845,218
33	KQ3V	2,591,944		4,213,140		6,805,084
34	N2NC	1,767,449	2,701,626		1,945,541	6,414,616
35	K2DM	2,540,995	1,389,312	1,449,188	1,025,716	6,405,211
36	N3RD	1,852,603	1,927,904	1,060,535	1,384,202	6,225,244
37	N3ED	1,852,603	1,864,434	1,060,535	1,384,202	6,161,774
38	K3PP	4,099,288	1,740,412	314,684		6,154,384
39	KQ3F	2,797,928	679,710	1,060,535	1,384,202	5,922,375
40	W8FJ	1,898,707	1,864,434	579,726	1,437,662	5,780,529
41	W2YC	2,306,828	1,659,207	779,950	1,002,036	5,748,021
42	WE3C	38,760	1,015,532	4,213,140	473,040	5,740,472
43	W2RQ	1,785,950	1,927,904		1,945,541	5,659,395
44	K2PS	478,504	2,332,944	1,067,088	1,765,710	5,644,246
45	N2VW	5,370,336		176,490	48,360	5,595,186
46	K3NZ	2,599,595	1,157,880	630,044	1,206,630	5,594,149
47	N2NU	1,785,950	3,800,000			5,585,950
48	W3PP	1,536,984	2,524,704	1,415,026	86,592	5,563,306
49	K3ZV	1,774,568	1,513,353	992,783	1,279,080	5,559,784
50	N2BA	679,584	3,037,492	1,765,774		5,482,850

FRC 2002-2003 Contest Season Scores

Rank	Call sign	CQ SSB	CQ CW	ARRL SSB	ARRL CW	Total
51	W3AP	1,366,986	1,288,800	776,208	1,807,260	5,239,254
52	WM2H	1,767,449	2,701,626	707,513		5,176,588
53	K3PH		3,190,760	724,594	1,206,504	5,121,858
54	N2AA	5,094,304				5,094,304
55	W3CF	1,767,449	873,050	1,775,472	675,180	5,091,151
56	NE3F	1,360,934	1,413,902	688,170	1,403,644	4,866,650
57	K3CP	1,388,476	1,168,712	1,194,288	1,110,376	4,861,852
58	K3OO	2,599,595	434,830	1,467,554		4,501,979
59	W2REH	1,767,449	2,701,626			4,469,075
60	N3ZA	1,430,908	999,354	1,070,160	878,356	4,378,778
61	WT3P	1,346,364	1,341,026	628,002	873,864	4,189,256
62	NN3Q	1,580,536	1,231,764	997,512	288,798	4,098,610
63	N1RK	2,294,262	188,328	1,087,848	458,658	4,029,096
64	WK2W	768,492	1,262,352	707,513	1,002,036	3,740,393
65	N3DXX		1,513,353	946,747	1,279,080	3,739,180
66	N2SR	1,852,603	1,864,434			3,717,037
67	N2MR	1,279,720	1,052,856	572,220	805,386	3,710,182
68	K2OWE	1,492,128	872,276	618,120	706,000	3,688,524
69	WW2Y	1,785,950	1,900,000			3,685,950
70	W3ZL	879,699	2,021,844	40,316	701,822	3,643,681
71	W3MF	2,509,084		1,030,616	86,292	3,625,992
72	K2TW	1,767,449			1,752,968	3,520,417
73	K3H	357,112	1,835,038	-	1,282,392	3,474,542
74	AA2WN		1,659,207	779,950	1,002,036	3,441,193
75	W3EEE	3,314,714				3,314,714
76	N3RG	1,774,568	1,513,353			3,287,921
77	N3NA	1,457,412	1,650,032			3,107,444
78	WK2G	1,767,449	1,138,830			2,906,279
79	W3EA	2,090,328		815,040		2,905,368
80	WB4FDT	768,492	1,262,352	707,513		2,738,357
81	W3GK		1,081,350	607,320	787,050	2,475,720
82	KF3B			1,060,535	1,384,202	2,444,737
83	WF3H	879,699	917,519	-	641,196	2,438,414
84	N3RJ	772,902	579,980	406,122	595,116	2,354,120
85	W2EN	2,050,516	300,964			2,351,480
86	KD3TB	369,849	77,880	1,775,472	93,744	2,316,945
87	K3CT	714,224	917,519	35,880	641,196	2,308,819
88	K3ATO	680,467	733,731	888,321		2,302,519
89	N3MX	915,339	917,519	52,104	367,984	2,252,946
90	W2CG	1,154,430		372,060	672,010	2,198,500
91	N3BNA		2,191,546			2,191,546
92	W4PFM		2,191,546			2,191,546
93	N2SS	2,171,334				2,171,334
94	N3KR	742,000	809,000	93,000	387,000	2,031,000
95	N3HUV	768,492	1,262,352			2,030,844
96	K3FT	768,492	1,262,352			2,030,844
97	NW3Y	768,492	1,262,352			2,030,844
98	W2RDS	1,197,840	34,190	469,890	270,000	1,971,920
99	K3VA	782,920	425,808	273,774	473,712	1,956,214
100	K3WU		1,864,434			1,864,434

FRC 2002-2003 Contest Season Scores

Rank	Call sign	CQ SSB	CQ CW	ARRL SSB	ARRL CW	Total
101	W2RD	1,178,844	277,560	132,600	269,082	1,858,086
102	WA3LRO	1,852,603				1,852,603
103	NZ3O	1,826,328			19,392	1,845,720
104	W2LE	552,848	800,684		488,250	1,841,782
105	N2CQ	272,084	821,754		706,256	1,800,094
106	N2EA			1,775,472		1,775,472
107	K3ANS	1,759,398				1,759,398
108	W3OV	707,540	1,024,244			1,731,784
109	KS3F	680,467	706,951	344,085		1,731,503
110	W2TV	1,608,296				1,608,296
111	W3BYX	259,000	541,000	257,000	519,000	1,576,000
112	W3BG				1,573,758	1,573,758
113	N3MT		1,513,353			1,513,353
114	K3BU		1,513,353			1,513,353
115	N3PT	768,492		707,513		1,476,005
116	N3KW	768,492		707,513		1,476,005
117	W3FVT	675,432	95,914	400,576	238,068	1,409,990
118	KW3Z		1,262,352			1,262,352
119	K2UT	1,234,384				1,234,384
120	KB3MM		900,028	201,852		1,101,880
121	K2WJ	577,215		186,030	336,005	1,099,250
122	K3JG	1,025,120				1,025,120
123	NZ3G	680,467		344,085		1,024,552
124	NT3V	680,467	-	344,085		1,024,552
125	WT3Q	1,013,816				1,013,816
126	KB3CBO	879,699	133,209			1,012,908
127	N2AB		753,532	240,900		994,432
128	W3IZ	768,492	217,604			986,096
129	KU3X	571,216	104,128	282,360		957,704
130	K2BMI			882,887		882,887
131	K3XC	879,699				879,699
132	KC3WX	879,699				879,699
133	W2UDT	439,516		228,816	207,570	875,902
134	K3JLK	711,620	133,209			844,829
135	K3OX	506,908			319,566	826,474
136	NY3C	655,452	166,844			822,296
137	W2GJ	768,492				768,492
138	K2JF	746,064				746,064
139	K3000			733,777		733,777
140	W3OR			707,513		707,513
141	W3KV	292,068	403,368			695,436
142	KA2AEV	506,908				506,908
143	W2YR	46,200	450,524			496,724
144	W3BEN	87,024	102,184	92,886	141,810	423,904
145	N3OW	335,522		79,734		415,256
146	K3FMQ	369,849				369,849
147	KD3RF	369,849				369,849
148	W3RJ		280,434		69,472	349,906
149	N3EA	43,890	230,601			274,491
150	N3RW	113,332		36,268		149,600

FRC 2002-2003 Contest Season Scores

Rank	Call sign	CQ SSB	CQ CW	ARRL SSB	ARRL CW	Total
151	N4XU		147,420			147,420
152	N2VM	27,904	44,144		71,820	143,868
153	W2BHK			142,290		142,290
154	WQ3E		117,084			117,084
155	KD2P	111,584				111,584
156	K3NL				101,020	101,020
157	AD3Z			99,404		99,404
158	WA3RHW				37,050	37,050
159	N9GG	5,440	22,576	4,860		32,876
160	K2SWZ	3,744	6,018			9,762
161	K3JJG				7,256	7,256
162	KB3FEE	188				188

FRC Contest DXpeditions



CQ WW DX SSB 2003

VP5T - K2WB, WA2VYA & N2VW will be at VP5JM's on Provo, Turks & Caicos Isl, from Oct 21-28, 2003 for the CQ WW DX SSB Contest. CW & WARC bands before and after contest. QSL VP5T to N2VW. VP5/xxxx calls to CBA.

V26DX - Doug W3CF, Jay WX0B, Sharon N5CK, Irwin KD3TB, Andy KD3RF, Thomas DL2BO, and Zig KM9M will activate the Royal Antiguan Radio Club Station, V26DX M/2 low power, for the CQWW Phone Contest. Operators begin activity October 19 until November 1. QSL all V26DX QSO's via KU9C . QSL individual ops via on air instructions. Planned activity on 6m and the WARC bands before and after test.

AWARDS - Top Gun plaque will be given to the first single op station to work us on 6 bands. Top Gun T-Shirts awarded to next 9 fastest 6 band single op Q's.

V47KP - Multi/2 with Alex, W2OX and Joe, K3NM. QSL via K2SB

P40W - John W2GD Single Op. QSL via N2MM

CQ WW DX CW 2003

V2?? - AA3B at V2 Single Op

ARRL DX CW

WP2Z - Operated by **K3MD**, Single Op High Power

Anyone else?



BPL Advocates' Comments Lack Technical Substance, say ARRL Comments

The ARRL says Broadband over Power Line (BPL) proponents failed in their comments to the FCC to substantiate their claims that the technology will not cause widespread interference. In reply comments filed August 20--the FCC's deadline to receive comments in the Notice of Inquiry, ET Docket 03-104--the League said that if the FCC is going to rely on industry statements in making decisions on BPL deployment, the industry should back up its assertions with technical studies and hard data and make these public.

"Unfounded assurances that BPL will not cause interference are no substitute for real-world measurements," the League declared, "and the FCC should rely on documented test results and an impact of interference potential based on scientific, not marketing, criteria."

A form of power line carrier--or PLC--technology, BPL would use existing low and medium-voltage power lines to deliver broadband services to homes and businesses using frequencies between 2 and 80 MHz. Some BPL proponents--primarily electric power utilities--already are testing BPL systems in several markets and want the FCC to relax radiation limits.

"Power lines are ubiquitous, and attempts by the BPL industry to obtain relaxed emission classifications based on operating environment are obviously illogical and frivolous," the ARRL said. BPL would impact not only hams but public safety low-band VHF systems and other mobile systems, the League's comments added.

In contrast to the BPL advocates' "blanket statements" of no interference from BPL field trial sites, the ARRL said its own field tests "lead inescapably to the conclusion that BPL will, if deployed, create widespread harmful interference." It predicted signal levels of up to 30 dB over S9 on a typical amateur transceiver, "well beyond what would preclude amateur HF communications entirely."

To dramatize its point, the League urged the Commission to view video <<http://www.arrl.org/tis/info/HTML/plc/#video>> shot during recent ARRL test-and-measurement forays to BPL field trial communities in four states. The ARRL said the type of degradation expected from BPL would transform 20 meters from a band with worldwide communication capabilities to one of limited regional communication capability.

"ARRL has, in fact, done what the BPL industry should have done--brought an amateur station to the trial area," the League said. "When it did so, the interference was manifest and widespread and would be so even to an untrained observer."

The League also noted that comments in the proceeding so far have been silent on the interference susceptibility of BPL to ham radio signal ingress. The League predicted that even as little as 250 mW of signal induced into overhead power lines some 100 feet from an amateur antenna could degrade a BPL system or render it inoperative.

The ARRL called on the FCC to stop acting like a cheerleader for BPL. "It is past time that the Commission acted in its proper role as a steward of the radio spectrum and recognized the interference potential of BPL to the sensitive incumbent licensed services in these bands," the League concluded. "The Commission cannot stretch the Part 15 regulations as far as would be required to accommodate BPL."

The League's complete reply comments are available on the ARRL Web site <<http://www.arrl.org/announce/regulatory/et03-104/reply-comments-index.html>> along with more information <<http://www.arrl.org/news/features/2003/07/08/1/>>. Additional information and video clips are on the ARRL "Power Line Communications (PLC) and Amateur Radio" page www.arrl.org/tis/info/HTML/plc/.



NTIA Expresses "Broad Concerns" in BPL Comments

The National Telecommunications and Information Administration (NTIA) has weighed in on the FCC's Broadband over Power Line (BPL) initiative. While urging the FCC to "move forward expeditiously" with its inquiry into BPL, the NTIA expressed "broad concerns" about interference to government users. The NTIA also has launched an extensive modeling, analysis and measurement program for BPL. A Commerce Department branch, NTIA administers spectrum allocated to federal government users.

"Notwithstanding BPL's potential benefits, the Commission must ensure that other communications services, especially government operations, are adequately protected from unacceptable interference," the NTIA said in late-filed comments in the BPL Notice of Inquiry. "In tailoring its rules to promote BPL deployment, the Commission must be certain to provide all communications stakeholders with adequate protections against BPL emissions that may cause unacceptable radio frequency interference."

Until releasing its comments this month, the NTIA has been largely silent on the issue since last spring. In an April 24 letter, then-NTIA administrator Nancy J. Victory applauded the FCC's decision to launch its inquiry into BPL, but called on the Commission to make sure that BPL does not cause harmful interference to other services.

In early July, Frederick R. Wentland, NTIA's associate administrator in the Office of Spectrum Management, told the FCC that the NTIA did not favor Current Technologies LLC's <<http://www.currenttechnologies.com/>> request for a permanent waiver of the field strength limit specified for Class B emissions under FCC Part 15 rules. A Maryland BPL developer, Current Technologies already is field testing and marketing the technology.

Wentland worried that the pole-mounted interfaces and outdoor power lines used for BPL could interfere with public safety communication in the 30 to 50 MHz range. He told FCC Office of Engineering and Technology Chief Edmond J. Thomas that the "unobstructed and ubiquitous nature of this BPL application, and perhaps other aspects of BPL, differs considerably from the situations presently found in typical unintentional radiators" operating under Part 15.

Wentland--named recently to succeed Victory as NTIA administrator on an interim basis--also invited the FCC to coordinate its own BPL measurement activities with those of the NTIA.

The NTIA's comments, which have not been posted on the FCC Web site, are available on the NTIA Web site <http://www.ntia.doc.gov/ntiahome/fccfilings/2003/bplcomments_08132003.htm>

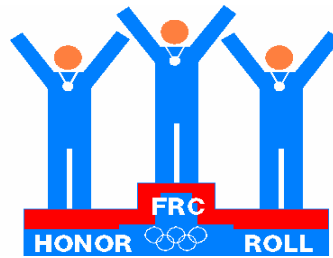
FRCer Field Day Participation

Several issues ago **FRC** members were asked to share what they did for Field Day 2003, so that other members might get the "bug" themselves and know which clubs are active. Here's one contribution:

From Mike, **KA2AEV**:

Here's my field Day participation with KC2RA in Staten Island.

QSO totals= CW QSOs 250
SSB QSOs 579



SEPTEMBER **conducted by N2SS** **2003**

WARC BANDS

<u>30 Meters</u>	<u>17 Meters</u>	<u>12 Meters</u>
K2FL.. 327	K2FL...333	N2TK ..325
N2TK324	N2TK 331	K2FL..... 324
N2LT309	N2LT 329	N2LT..... 316
W3BGN ...297	W3CF 329	W3BGN... 305
K2RW290	K2RW 320	K2RW 296
W8FJ.....284	W3BGN ... 320	N2SS..... 295
W2YC.....281	N2SS 316	W3CF 282
K2PS275	K2PS 294	K2PS..... 265
N2SS271	WA2VYA . 292	W3SOH .. 265
WA2VYA ..267	W2YC 289	W2YC..... 264
W3SOH ...223	W8FJ 286	WA2VYA. 261
K3II.....222	W3SOH.... 266	WT3W 258
W2LE.....205	WT3W 264	KS3F..... 232
W2UP184	N1RK 249	W8FJ..... 222
KS3F178	K3II 234	N1RK..... 221
K2BU175	W3OV 234	K3II..... 200
AA2WN...164	KQ3F..... 232	W2UP 199
WT3W162	KS3F 215	KQ3F 199
W3OV150	W2UP..... 202	W2YR 181
KQ3F141	W2LE 196	N3KN 174
N3RD134	W2YR 194	K2NJ..... 162
NZ3O125	NZ3O 190	W2LE 161
W2YR.....124	K2JF 168	W3OV 160
K2JF.....112	K2NJ 145	NZ3O 151
AB2E111	N3KN 143	K2JF 135
K2NJ97	K3ND 110	AB2E 82
N3KN.....75	AA2WN ... 102	K3PP..... 53
N2VW.....71	N2VW 65	K3GYS 30
N1RK.....69	K3GYS..... 83	N2VW..... 27
K3PP68	AB2E..... 82	AA2WN..... 19
W3CF.....55	K3PP 60	K2WJ..... 17
K2WJ.....28	K2WJ 40	KB3FEE 3
K3GYS8		
KB3FEE.....1		

Still looking for that 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

W3BGN289	KS3F 129
AA1K282	WT3W 127
K2BU.....260	K2PS 102
WT3Q.....250	K2RW 92
N2LT239	W2YR 80
N2TK.....239	N2VW 77
K3NW228	W3CF 77
K3SX223	N2SS 75
W8FJ192	K3NL 70
W2UP178	K2NJ 59
NO2R176	K3PP 59
K3JG176	N1RK 41
K3NZ.....171	KQ3F 41
W3OV163	KB3FEE..... 38
W2YC156	K2JF..... 34
N3RS156	W2LE..... 27
K3II148	AA2WN..... 25
K3NM.....146	NZ3O 13
WA2VYA144	K3GYS 12
K2FL140	W3SOH..... 12
K3ND133	K2WJ 3

W3BGN continues as the undisputed
Top of Top Band.

Digital

W2UP.....334	W2YR..... 122
N2LT 326	K2JF..... 113
K2PS 275	W2LE 81
W3SB 268	N2SS 51
K2RW 231	WA2VYA 50
K2NJ..... 221	N1RK..... 42
W2YC..... 212	N2MR 28
AA2WN..... 162	KQ3F 23
N3KN 160	K3GYS 15
WT3W 155	K2WJ 12
K3PP..... 123	W8FJ..... 12

MOBILE DX

W2YC274	AA2WN 131
AA1K 260	WT3Q 107
N2SS 234	KB3FEE..... 48
N2MR 196	K3PP 46
K2JF 150	W2YR 21
K3GYS 143	

1.5K Club

K2FL..... 1704	W3CF 1403
W3BGN 1691	WT3W 1395
N2TK..... 1685	K2NJ..... 1383
N2LT..... 1658	W3SOH 1378
W2UP 1646	K2JF 1350
K2RW 1591	AA2WN..... 1295
W8FJ 1577	N1RK..... 1278
N3RS..... 1564	N2VW 1258
K2BU 1550	WT3Q 1162
W2YC 1511	K2WJ..... 1161
K2PS 1509	W3SB 1132
N2SS 1505	W2YR..... 1125
NO2R 1489	W2LE 1115
K3ND 1488	K3PP..... 1110
N3RD 1464	K3NM..... 1107
WA2VYA .. 1435	N3KN 1060
KQ3F..... 1412	NZ3O..... 945
KS3F 1407	KB3FEE 231

Islands On The Air

K2FL.....959	W3CF 253
N2SS 769	NZ3O..... 244
W3SOH 762	W2YR..... 226
W2YC 533	K2WJ..... 223
W8FJ 530	WT3W 218
N1RK 527	K3GYS 186
KS3F 319	KB3FEE 23
N2VW 259	

6 METER DXCC

N2LT..... 102	N1RK..... 57
K2NJ 95	N2SS..... 55
AA1K 94	N3KN 45
K2JF 94	W2YR..... 41
K2PS 81	K3PP..... 30
WA2VYA 75	K2RW..... 36
WT3W 65	W2YC..... 14
K3OO 60	



THE FRANKFORD RADIO CLUB NEWSLETTER

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



Affiliated Club

In This Issue

MEETING AT N3AD

FRC ARRL TOP 10

K3NM MEETING PIX

FRC 2002-2003 SCORES

AND MORE!

**Deadline for October issue:
Sunday, September 28**

The Frankford Radio Club

Club Officers

President, K3NM , Joe Brue	570-992-6890
Vice Pres, W8FJ , John Schrader	610-279-6097
Secretary, K3ZV , John Lindmeier	215-632-2919
Treasurer, K2QM , Dan Marlow	609-683-5633

Committee Chairman

Repeater, K3NL , Nick Leipold	610-449-8910
Packet, N3RD , Dave Hawes	610-935-2684
Activities, N3AD , Alan Donziger	610-649-7032
Awards, K2QM , Dan Marlow	609-683-5633
Membership	

Newsletter & Roster

Editor, KQ3F , Joe Stepansky	717-657-9792
	Email: kq3f@comcast.net
Printing, K3ZV , John Lindmeier	215-632-2919

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

144.910 N2MT
144.930 W3FRC
145.010 N3ED
145.650 K2TD
145.530 K3WW
145.530 AA1K
145.570 WT3Q
145.570 K2TW
145.590 N2NT
144.950 K3GYS
145.730 N2BIM
147.495 W3MM
145.670 W3PP
445.525 W3EA
445.850 N3BNA
TBA W2JT

Telnet DX Cluster

k2ut.gofrc.org
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