



THE FRANKFORD RADIO CLUB NEWSLETTER

PROFICIENCY THROUGH COMPETITION

CALENDAR

April 2004:

- 7-8 Japan Intl. DX Test, CW
13 FRC Main Meeting, Phila
13 Remy Meeting B
15 T.I.T.S. Meeting, Noon
17-18 YU DX Contest
24-25 Helvetia Contest
24-25 Florida QSO Party
27 Remy Meeting B

May 2004:

- 8-9 CQ-M International DX Test
11 FRC Main Meeting, Phila
11 Remy Meeting B
20 T.I.T.S. Meeting, Noon
29-30 CQ WPX Test, CW

CHANGES

New Members

N3NR

Nick Roscoe
129 Governor Markham Dr.
Glen Mills, PA 19342
n3nr@arrl.net
n.roscoe@ieee.org

N2KEN

Kenneth P. Shaw
4118 Avenue P
Brooklyn, NY 11234
Email: kshaw4118@aol.com
Home: 718-377-3142
Work: 212-338-7260

Deadline for the May issue:

Sunday, April 25, 2004

FRC 2004-2005 Officer Election Results

The following were elected at the March FRC meeting for the 2004-2005 term:

President: Joe Brue **K3NM**
Vice President: John Schrader **W8FJ**
Secretary: John Lindmeier **K3ZV**
Treasurer: Bob Shoheit **KQ2M**

President's Message

I want to thank all the members who showed support for the club by getting on for both modes of the ARRL contests. I still do not know how we compared with the club up north, but hope news of how we did will be available by next month.

We have a summer meeting set for sometime in August hosted by **W1GD**. We will still need volunteer hosts for our June and July picnic meetings. Please contact me if you are interested.

The next club meeting at the college is April 13th at 8 PM. Our program for this meeting is about THE LOGBOOK OF THE WORLD and will be given by Dave Stout, W2YC. Dave is also a DXCC QSL card checker. Time permitting, he will check some your cards if you let him know in advance.

No doubt we are all glad to see the nicer weather arrive. I can now start making some needed repairs to my station. If any of you need help with repairs, please let the members in the club know what is needed.

In closing, I want to remind everyone that it is time again for the annual club donation. For your convenience of payment, stamped addressed envelopes will be sent to each member shortly. Please watch for this mailing and respond promptly.

Hope to see all of you at the meeting.

73, Joe K3NM

MEETINGS

Main Meeting - The main monthly meeting of the **Frankford Radio Club** will be held on Tuesday, April 13 at 8 PM. Location is Rosenburger Hall, Room 102 at the University of the Sciences in Philadelphia.

T.I.T.S. meeting—The Trexlertown International Transmitting Society meets on Thursday, April 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 after the main **FRC** meeting on the second Tuesday of each month, and at about 8 PM on the fourth Tuesday of each month.



IMPORTANT FRC BUSINESS

Policy meeting for 3-23-04

The policy meeting was held at **K3WW**'s home and the following topics were discussed:

1. The repeater and what to do with it.
2. Website and how to improve it
3. Membership and how to motivate more members to participate in the 4 major contests

Repeater

The policy committee recommends:

1. Closing down the repeater completely and sell the equipment, possibly to another club.
2. Allowing the members who use the repeater to pay the annual expenses of operation (approximately \$1,000/year) for its continued maintenance.

Website

The club website will be moving to another web host with more band width. This change will greatly improve the distribution of club information to our membership and with the down loading of the FRC newsletter. The new website will have a place to display pictures of our members, their stations and antenna.

Membership

All inactive members will receive a letter requesting their opinions and suggestions about how the club can renew their interests in contesting and regain their support. Maybe some members need assistance with antenna work or would benefit from training on the use of the new logging programs.

I hope everyone will make an effort to attend the April meeting on Tuesday, April 13th at 8 PM.

Joe, K3NM

2004 ARRL CW Test FRC Claimed Scores

Station	QSOs	Cntrys	Class	Score	Station	QSOs	Cntrys	Class	Score
AA1K	2,736	451	SO	3,701,808	N3MX	776	294	MS	684,432
AA3B	2,872	506	SOA	4,359,696	<i>Ops</i>	N3MX K3YD			
AB2E			SO	892,713	N3NA	1,435	355	SOA	1,528,275
HS0ZDJ			SO	69,975	N3NR			SO	537,852
<i>Op.</i>	W2YR				N3RJ			SO	602,352
K2GN	270	187	SO	151,470	N3RS	6,015	617	M2	11,131,914
K2NG			SOA	5,256,720	<i>Ops</i>	N3RS K3WU N3ED N3RD W8FJ			
K2OWE			SOA	832,962	N3ZA	763	394	SOA	898,320
K2QM			SOA	1,371,168	N9GG			SOL	5,880
K2SB			SOA	571,710	NA2U			SOA	2,857,476
K2SG	1,896	412	SOA	2,343,456	NE3F	1,804	454	MS	2,452,962
K2TD			MS	144,612	<i>Ops</i>	NE3F K3ATO KS3F			
<i>Ops</i>	NR2NR WA3RHW				NN3Q	1,800	442	SOA	2,400,000
K2UT	302	212	SOA	192,072	NO2R	1,660	520	SOA	2,586,480
K3CP			SOA	1,056,912	NQ3N	852	315	MS	803,250
K3II	3,299	517	MM	5,115,198	<i>Ops</i>	NQ3N KD2I			
<i>Ops</i>	K3II K3CT K3IPK				NZ3O			SOA	5,547
K3JG			SOA	519,840	P40W	4,755	339	SOL	4,835,835
K3JGJ	205	68	SO	41,820	<i>Ops</i>	W2GD			
K3JJG	117	61	160	21,411	V26DX	4,737	333	MS	4,732,000
K3ND	1,187	428	SOA	1,524,108	<i>Ops</i>	K2DM K3ZM			
K3NL	246	155	SOL	114,390	V47KP	3,551	302	SO	3,217,306
K3NM	876	412	SOA	1,082,736	<i>Ops</i>	W2OX			
K3NZ			SOA	1,273,173	VK2FRC	467	126	SOL	176,526
K3OO			SOA	638,526	<i>Ops</i>	K2PS			
K3PH	1,047	296	SOQ	929,736	W1GD	1,671	445	SOA	2,230,785
K3VA	632	279	SOA	528,984	W2NO	2,957	496	MM	4,398,528
K3WW			SOA	6,171,741	<i>Ops</i>	W2NO W2CG W2EN			
K3ZA	304	155	SOL	141,360	W2RD			SOA	125,334
KB3MM	575	233	SOA	505,425	W2RDS			SOA	160,380
KB3TS			SO	811,314	W2UDT	437	204	SO	267,444
KD2HE	486	222	SOA	323,010	W2UP	1,651	411	SOA	2,035,683
KF3B	3,243	451	SOA	4,386,426	W2YC			M2	1,400,322
KQ2M	3,318	427	SO	4,250,358	<i>Ops</i>	W2YC AA2WN			
KQ3F	2,674	431	SOA	3,457,482	W3AP	1,037	333	SOA	1,035,963
KQ3V	128	116	SOA	44,544	W3BEN			SOL	132,129
N1RK	636	275	SOA	523,875	W3BG			SOA	272,460
N2CQ			SOQ	115,884	W3BGN			MS	7,013,022
N2LT	3,280	446	SO	4,388,640	<i>Ops</i>	W3BGN K2TW			
N2MM	2,213	357	SO	2,370,123	W3BYX	688	298	SO	615,966
N2MR			SO	9,828	W3CF	641	329	SOA	632,667
N2NT	4,241	505	SO	6,423,600	W3FV	2,327	455	SOA	3,176,355
N2RM	3,399	401	MS	4,087,794	W3FVT			SOA	303,150
<i>Ops</i>	N2RM N2VV				W3KV	506	223	SO	338,514
N2SS			SO	410,130	W3PP	4,678	567	MM	7,824,600
N2VW	632	345	MS	656,016	<i>Ops</i>	W3PP K3FT N3WDL NX3A NZ6O WB4FDT WK2W			
<i>Ops</i>	N2VW W2OF				W3RJ			SO	2,670,138
N3AD			MM	10,357,410	WA2UBK			MS	144,648
<i>Ops</i>	N3AD K3ZV N3DXX N3RG				<i>Ops</i>	WA2UBK N2WKS			
N3BNA	1,263	430	MS	1,626,690	WA2VYA	998	371	SO	1,109,661
<i>Ops</i>	N3BNA KD3CN NB3I				WA3RHW			SOA	16,470
N3KN	860	337	SOA	869,460	WE3C	1,435	513	SOA	2,202,309
N3KR	744	285	SO	636,120	WP2Z	4,144	317	SO	3,940,944
					<i>Ops</i>	K3MD		Total	166,806,305

2004 ARRL SSB Test FRC Claimed Scores

Station	QSOs	Cntrys	Class	Score	Station	QSOs	Cntrys	Class	Score
AA1K	2,799	402	SO	3,375,594	V47KP	6,618	347	MM	6,889,338
AA3B	1,442	387	SOA	1,674,162	<i>Ops</i> K3NM W2OX				
K2DM	556	226	SO	376,290	W2EN	1,810	422	M2	2,290,194
K2GN	453	269	SOA	365,571	<i>Ops</i> W2EN W2CG W2NO				
K2OWE			MS	1,637,625	W2GD	1,844	441	SOA	2,439,612
<i>Ops</i> K2OWE K2JF N2NRD					W2LE	375	179	SO	201,375
K2SG	987	341	SOA	1,009,701	W2RD	234	137	SOA	95,352
K3BSA			SO	236,742	W2RDS			MS	1,236,480
<i>Ops</i> K3JLK					<i>Ops</i> W2RDS WA2C				
K3CP			SOA	744,534	W2SN			SOL	1,080
K3JG			SOA	427,770	W2TV			SOA	972,720
K3MD			SO	600,000	W2UP	765	314	SOA	720,630
K3NL			SOL	14,904	W3AP			SOA	302,574
K3NZ			SOA	807,651	W3BEN			SO	57,750
K3000			M2	739,359	W3BGN			SO	2,917,251
<i>Ops</i> K3000 K300					W3CF			SOA	318,348
K3VA	263	87	SOA	68,643	W3FV			SOA	1,637,280
K3WW	2,471	457	SOA	3,382,257	W3FVT			SOA	434,700
K3ZA	304	155	SOL	141,360	W3GM1			SOA	845,676
KB3MM	243	164	SOA	119,064	<i>Ops</i> K3ND				
KB3TS			SO	329,073	W3IZ			SO	157,314
KD3CN	1,138	362	MS	1,235,868	W3KV	207	108	SO	67,068
<i>Ops</i> KD3CN KB3IGM N3BNA WB3CTD					W3MF			SOL	582,096
KD3TB	704		M2	639,027	W3PP	2,438	452	MM	3,305,928
<i>Ops</i> KD3TB K3FMQ N3GNW WW3Y					<i>Ops</i> W3PP KD5FWV KW3Z N3KW N3ME N3TKJ				
KQ2M	2,001	319	SO	1,915,000	N3WDL N3YE NX3A W9GE WV8RS				
KQ3F	1,528	345	SOA	1,581,480	W8FJ			SOA	33,672
KU3X			SOA	307,584	WA2UBK			MS	147,618
N2AB			SOA	156,748	<i>Ops</i> WA2UBK N2WKS				
N2CY	353	207	SOA	219,213	WA3RHW			SOA	241,488
N2ED	743	316	SOA	704,364	WB3CIW			SOA	363,750
N2LT			SO	2,066,778	WP2Z	4,625	329	SO	4,564,875
N2MR			SO	473,499	<i>Ops</i> N2TK				
N2VW			SOA	324,405					Total 83,752,339
N3AD	3,505	497	MM	5,225,955					
<i>Ops</i> N3AD AB3AH K3IPK K3ZV N3DXX N3RG									
N3MX	1,130	299	MS	1,013,610					
<i>Ops</i> N3MX K3YD									
N3NR	310	180	SOA	167,400					
N3RS	4,534	528	M2	7,160,000					
<i>Ops</i> N3RS N3ED N3NA N3RD W8FJ									
N3ZA	888	357	SOA	944,622					
N9GG			SOL	26,565					
NA2U	1,223	364	SOA	1,335,516					
NE3F			MS	2,202,066					
<i>Ops</i> NE3F K3ATO KB3GWA NT3V W3ZL									
NN3Q	1,516	383	SOA	1,741,884					
PJ4G	7,062	351	MS	7,436,286					
<i>Ops</i> K2NG K2QM K2TW									

2004 FRC Fund Drive



The 2004 **FRC** Annual Fund Drive is now officially underway. This issue should contain a stamped envelope with my address on it. Please make your check payable to: "**Frankford Radio Club**"

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

**** PLEASE BE SURE TO WRITE YOUR CALL ON YOUR CHECK. ****

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

2004 CQ 160 Meter SSB Test FRC Claimed Scores

Station	QSOs	US/VE	DX	Score	Class
K3MD	161	32		17,472	
NA2U	30	15		1,056	M
K3NZ				27,552	M
N2ED	102	37	10	12,925	SOH
K3WW	684	53	27	135,680	M
P40W	550	53	49	552,534	SOH
W2GD					
W3FVT				15,015	M
WP2Z	163	37	23	54,120	SOH
W3AP	124	28	5	9,933	SOH
K3NM	582	49	27	112,784	SOH
K2OWE				105,600	M
<i>Ops. K2OWE, K2JF, N2NRD</i>					
N3NR	138	32	8	13,960	SOH
N2MR				32,604	SOH
V47KP				396,948	SOH
WE3C	1,075	57	38	254,695	M
<i>Ops. WE3C, KQ3V</i>					
AA1K	372	52	23	74,550	SOH

Contesting Tips and Resources

Reprinted with permission from the March 10, 2004 ARRL Contest Rate Sheet

Put Your Pencils Down

Watching some of the post-contest chatter on the reflectors after the ARRL DX contest weekends, one wonders how long, exactly, the contest does run. I believe the rules say that the contest is over at 2359Z on Sunday and I take that to mean stop working stations and close down your logging software. It's over. I suppose that there's room for flexibility in making corrections based on notes you made during the contest and even making a pass for obvious typos (see below).

But really, folks, if you didn't copy something correctly or missed a call, then it's the breaks. You'll just have to do it better next time. Name another sport in which the competitors get to go back and "edit" the competition. "Well, gee, I really shouldn't have taken turn four quite so high on lap twenty." Or, "That brick I threw up on my second free throw of the fourth quarter...let's make that a swish." I don't think so.

Once upon a time, Doug K1DG made a posting to the Yankee Clipper Contest Club reflector on the subject and I think he nailed it spot on. Holder of many contesting titles, including a WRTC win with K1AR, and perennially found in the Top Ten, Doug's credentials as a contesting sage are impeccable.

"This is a sport that I do simply for the enjoyment of doing it and competing against my peers. Like most sports, it is more fun to play when you know how to do it well. I am always trying to improve my skills which include all of the following (not in any particular order):

- Understanding propagation
- Understanding the "language of callsigns"
- Ability to copy CW and SSB signals under difficult conditions
- Typing callsigns correctly
- Building (or gaining access to) a station with good radios, antennas, location, etc.
- Understanding the capabilities and limitations of that station
- Controlling a pileup for maximum rate
- Timing my calls right to crack pileups even when I'm not the loudest guy calling
- Using tools like computer logging (and all the hardware/software setup skills involved)
- Understanding the rules of more-complex categories and complying with them (like band-change limits in multi-singles)
- Knowing when to run and when to search-and-pounce
- Understanding what the winners are doing differently so I can learn from them

"If my score is reduced or I lose because I do not excel at one or more contest skills, I will learn from my mistakes, suck it up, and try to improve. My ultimate goal is to one day submit a winning log with no errors. This is, of course, close to impossible. But the fun is in trying to get there. I've only submitted a Golden Log once. And it felt great.

"Over the years, I have been fortunate to become friendly with most of the guys you see in the Top Ten boxes. I can assure you that post-contest log massaging has CONSISTENTLY failed the smell test among the guys who excel at this game. Some guys are OK with making corrections that have been noted during the contest (note file, scrap of paper, whatever) or "obvious" typos. But where do you draw the line on "obvious"? Sure - "XBG3F" or "DK6" is a typo. But what about "G3FXD"? Or how about "N1DG", if you worked K1DG on the other 5 bands? Do you change those? It becomes a slippery slope. With RARE extenuating circumstances, the best way to avoid the temptation is not to give in to the first step. When the contest is over, send in the log.

"It is correct that the WRTC rules allow a 15-minute period for "fixing things" - most of the competitors spend the time making sure that the log file to be submitted is complete and not corrupted somehow! (Several WRTC

Contesting Tips and Resources

logs have suffered corruption during this handoff - Ed.) Log editing tools, callsign databases, and similar things are not permitted in WRTC.

"WRTC is a far cry from the situation of most up-and-coming contesters, who are just beginning to understand which skills they need to acquire or develop. These guys need to learn the real skills, not get advice on what post-contest processing tools are the best. They need to learn the fundamentals of the game or they will never get a shot at WRTC.

"Every contester can decide what contesting means to him or her and conduct their operations accordingly. Some have taken the position that the high road ("strict") is where we ought to be as a rule. Good. But as others have pointed out, this is a hobby. If some of you want to take this whole issue less seriously, that's OK. But the sport is more fun when you get proficient at the fundamentals.

"While this sounds a bit preachy. I certainly don't mean it that way. Please take my comments and advice as simply that - advice from a grizzled 30-year contest veteran to newcomers or newly-returning contesters that should help you enjoy the sport more."

I thank Doug for clearly stating some principles that should have a wide resonance out there in contest land. I couldn't have said it better.

73, Ward N0AX

The North Coast Contesters are pleased to announce The 12th Annual Dayton Contest Dinner on Saturday night, May 15th, at 6:30 PM at the Crowne Plaza Hotel at 5th and Jefferson St. Tickets are on sale now and seating is limited to 300. As always, new members of the CQ

Contesting Hall of Fame will be announced by HOF member Bob Cox, K3EST. The price is 33.00 USD per person. All dinner ticket orders are handled exclusively by Craig Clark, K1QX at: Radioware and Radio Bookstore, PO Box 209, Rindge, NH 03461 (full contact information at <http://www.radio-ware.com>). The deadline for orders is May 6.

Reprinted with permission from the March 24, 2004 ARRL Contest Rate Sheet

Jack W0UCE reports that 0.095" trimmer cord makes a great tie line. 800' bulk reels are available at home improvement stores for under \$30. The line resists UV and doesn't stretch, either. If you're in the neighborhood of a farm supply store, pick up some of the orange baling twine. Also incredibly cheap, strong, and lasts a long time outside.

Two products whose names come up consistently when discussing how to get stuck things unstuck are Marvel Mystery Oil and PB-Blast (also available as PB Penetrating Catalyst). WD-40 is popular, but these products are optimized for the job and are available at auto and marine supply stores.

Here's a gotcha to avoid. Peter VE3PN had a frustrating weekend during the recent ARRL DX contest and found that his beams weren't pointing where the control boxes said they were. Resistances of the indicator pots were close to the values he recorded when they were installed. He then decided to remove the control boxes to check them internally and...BINGO! When he moved the control box the meter needle moved. The root cause was the magnets in the speakers on the shelf above the control box! They were affecting the meter movement enough to cause the erroneous readings. Watch out for that one

FCC INVITES COMMENTS ON AMATEUR RADIO RESTRUCTURING PLANS

The FCC is seeking comment on three plans, one from the ARRL, that would reshape the Amateur Service licensing structure. Each Petition for Rule Making responds to World Radiocommunication Conference 2003 actions last summer that made changes to Article 25 of the international Radio Regulations. While differing substantially in some other aspects, the three petitions call for modifications at Amateur Radio's entry level and for a three-tiered license system. One petition goes beyond licensing structure to recommend additional changes to amateur testing and HF digital privileges. A fourth petition focuses solely on the Morse requirement. Comments are due by April 24 on all four petitions.

Designated RM-10867, ARRL's petition asks the FCC to create a new entry-level license class--being called "Novice" for now. It would offer limited HF CW/data and phone/image privileges on 80, 40, 15 and 10 meters plus certain VHF and UHF privileges. The League plan also would consolidate Technician, Tech Plus (Technician with Element 1 credit) and General licensees into a new General license that no longer would require a Morse examination. Current Technician and Tech Plus licensees automatically would gain General privileges, and Advanced license holders automatically would be upgraded to Extra without further testing.

Applicants for Amateur Extra would still have to pass a 5 WPM Morse code examination, but the General and Extra written exams would stay the same. A news report "ARRL to Propose New Entry-Level License, Code-Free HF Access," <<<http://www.arrl.org/news/stories/2004/01/19/1/>>>, has further details. Frequently asked questions (FAQs) are addressed on the ARRL Web site, <<<http://www.arrl.org/news/restructuring2/faq.html>>>.

In a wide-ranging petition designated as RM-10868, an "unincorporated grassroots organization" calling itself the Radio Amateur Foundation (RAF) has asked the FCC to modify the Technician ticket to allow limited HF phone, image, data and CW privileges. HF phone/image privileges would be restricted to portions of the 160, 15 and 10-meter bands.

The group also proposes retaining the 5 WPM Morse requirement for General and Amateur Extra applicants, upgrading Advanced class holders to Extra and Novices to Technician. The Radio Amateur Foundation said it sees no need to change licensing requirements for General or Amateur Extra applicants.

The RAF also wants to scrap existing Amateur Radio question pools and start over from scratch, keeping the question pools out of the public domain and requiring a 10-day waiting period before retesting. In addition, it would permit only Generals and Amateur Extras--or Technicians licensed more than two years--to request vanity call signs. The RAF has further asked the FCC to permit digital experimentation from 29.0 to 29.3 MHz at bandwidths of up to 15 kHz.

In his two-page petition designated RM-10869, Ronald D. Lowrance, K4SX, calls on the FCC to retain the 5 WPM Morse code requirement for General class applicants and to raise the Morse requirement to 13 WPM for Amateur Extra class applicants. He called Morse code "the most reliable mode of communication" in an emergency. Lowrance would make no change in Technician licensing requirements.

The National Conference of Volunteer Examiner Coordinators (NCVEC) wants the FCC to establish a new "Communicator" entry-level license. Its petition, designated RM-10870, reiterates the NCVEC's call--first made last fall in RM-10787--to altogether eliminate the Morse code testing requirement.

The NCVEC petition would upgrade all current Novices to Communicator class, all current Technician and Tech Plus (Technician with Element 1 credit) licensees to General and all Advanced class licensees to Amateur Extra without further testing. Once the Morse requirement goes away, the NCVEC said in its filing, "there will be no effective difference between the Technician and General class licenses."

The new Communicator ticket would permit a power limit of 100 W on bands below 24 MHz and 50 W on all frequencies above 24 MHz. Communicator licensees would have to use commercially manufactured equipment (or gear built from a commercial kit). Communicator licensees could operate both voice and digital modes on 80, 40, 15 and 10 meters plus VHF and UHF up to 70 cm.

All three license restructuring plans call for changes to the present HF subbands.

News From the ARRL

Interested parties may view and comment on these petitions via the FCC Electronic Comment Filing System (ECFS) <<<http://www.fcc.gov/cgb/ecfs/>>>. When entering the RM number in the ECFS "Proceeding" field, RM must be in capital letters and the hyphen must be included.

FCC CLARIFIES DOCKET NUMBER FOR FUTURE BPL COMMENTS

The FCC says anyone filing comments on the its Broadband over Power Line (BPL) Notice of Proposed Rulemaking (NPRM) in ET Dockets 03-104 and 04-37 should reference only the latter docket number, not both docket numbers. The ARRL was among those who had asked the FCC to clarify the matter. The deadline to file comments is Monday, May 3. Reply comments are due Tuesday, June 1.

"To simplify this filing process and minimize the burden on both interested parties and the Commission's resources, we are requesting that parties responding to the Notice of Proposed Rule Making submit comments, replies and any other pleadings or information only in the newly established ET Docket No 04-37," the FCC said this week in a public notice. Written comments may be filed via the Electronic Comment Filing System (ECFS) <<<http://www.fcc.gov/cgb/ecfs/>>>.

The Commission says that commenters should include their full name, US Postal Service mailing address and ET Docket No 04-37 when completing the transmittal screen. The FCC ECFS Express system <<<http://gullfoss2.fcc.gov/ecfs/Upload/>>> also now is accepting brief comments on the BPL proceeding, which is the top item on the list. For additional information on filing comments, see the FCC public notice <<http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-04-760A1.doc>>.

FRC SUPPORT OF THE ARRL BPL/SPECTRUM DEFENSE FUND CONTINUES

As of 28 March 2004, the following members have contributed toward the FRC group initiative set up at the January 2004 meeting:

W3BEN, K2SB, K3PH, N3KN, N2VW, KG2MY, W3FV, N3BNA, K3YD, KQ2M, W3RV, N3NR.

Thank you for your generous contributions. A number of other **FRC**ers have contributed directly to the ARRL BPL/Spectrum Defense Fund before the **FRC** group effort started.

As of 28 March 2004, the following members have reported direct contributions:

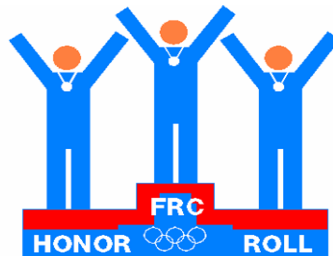
N2NC, NO2R, AA1K, N3AD, K3MD, W2GD, N3RS, K3NL, N1RK, K3WW, N3RD

Don't be bashful. If you have sent a contribution direct to the ARRL, let us know. In addition, several **FRC**ers who've already sent direct contributions are sending another via **FRC**! That is fantastic!

Thanks to all for their generosity in defending our Ham Bands against encroachment.

The attempts to steal or render our bands unusable are still in a full court press. So, is our **FRC** effort to stop them!

The books are still open. Contribution checks should be made out to the ARRL. PLEASE put your callsign on the check. Snail mail address is: **N2VW**, PO Box 65, Fort Dix, NJ 08640."



APRIL **CONDUCTED by N2SS** **2004**

WARC BANDS

<u>30 Meters</u>	<u>17 Meters</u>	<u>12 Meters</u>
K2FL.. 329	K2FL...334	K2FL...326
N2TK324	N2TK 333	N2TK ..326
N2LT309	N2LT 329	N2LT 316
W3BGN ...304	W3CF 329	W3BGN ... 309
K2RW290	W3BGN ... 322	N2SS..... 299
W8FJ.....286	K2RW 320	K2RW 296
W2YC.....283	N2SS 318	W3CF 282
N2SS278	K2PS 294	W2YC 270
K2PS275	WA2VYA . 292	K2PS..... 265
WA2VYA ..267	W2YC 292	W3SOH ... 265
W3SOH223	W8FJ 290	WA2VYA. 261
K3II.....222	W2UP.....269	WT3W 258
W2UP222	W3SOH....266	W2UP 235
W2LE.....205	WT3W 264	KS3F..... 232
N3RD194	N1RK 253	N1RK..... 230
KS3F.....178	KQ3F..... 240	W8FJ..... 226
K2BU175	K3II 234	KQ3F 213
AA2WN...164	W3OV 234	K3II..... 200
WT3W162	KS3F 215	W2YR 186
KQ3F161	NZ3O 214	N3KN 176
NZ3O150	W2LE..... 196	NZ3O 167
W3OV150	W2YR 194	K2NJ..... 162
W2YR.....130	K2JF..... 168	W2LE 161
AB2E118	NA2U 162	W3OV..... 160
K2JF.....112	N3KN 147	NA2U 154
NA2U.....105	K2NJ 145	K2JF 135
K2NJ.....97	K3ND 110	AB2E 92
N1RK.....86	AA2WN ... 102	K3PP..... 53
N3KN.....85	AB2E..... 94	K3GYS 30
N2VW.....71	K3GYS..... 85	N2VW..... 27
K3PP.....68	N2VW 65	AA2WN..... 19
W3CF.....55	K3PP 60	K2WJ 17
K2WJ28	K2WJ 40	KB3FEE 3
K3GYS8		
KB3FEE.....1		

Once again looking for the 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

W3BGN290	KS3F 129
AA1K284	WT3W 127
K2BU.....260	K2PS 102
WT3Q.....250	K2RW 92
N2LT239	W2YR..... 80
N2TK239	N2SS..... 78
K3NW228	N2VW..... 77
K3SX223	W3CF.....77
W8FJ195	K3NL 70
NO2R.....184	K2NJ 59
W2UP183	K3PP 59
K3JJG181	KQ3F 47
NA2U175	N1RK..... 43
K3NZ.....171	KB3FEE..... 38
W3OV163	K2JF..... 34
W2YC.....161	W2LE..... 27
K3NM.....156	AA2WN..... 25
N3RS156	NZ3O 13
K3II148	K3GYS 12
WA2VYA.....144	W3SOH..... 12
K2FL140	K2WJ 3
K3ND133	

W3BGN continues as the undisputed
Top of Top Band

DIGITAL

W2UP.....335	W2YR..... 122
N2LT326	K2JF..... 113
K2PS.....275	W2LE..... 81
W3SB268	N2SS 51
K2RW231	WA2VYA 50
K2NJ.....221	N1RK..... 42
W2YC.....221	N2MR 28
N3KN165	KQ3F 26
AA2WN.....162	K3GYS 15
WT3W155	K2WJ 12
K3PP.....123	W8FJ..... 12

MOBILE DX

W2YC276	AA2WN 131
AA1K264	WT3Q 107
N2SS.....234	KB3FEE..... 48
N2MR.....196	K3PP 46
K2JF150	W2YR..... 21
K3GYS143	

1.5K Club

K2FL..... 1706	WT3W1395
W3BGN 1694	K2NJ.....1383
N2TK 1685	W3SOH1378
N2LT..... 1658	K2JF1350
W2UP 1656	NA2U1335
K2RW..... 1591	AA2WN.....1295
W8FJ 1588	N1RK.....1280
N3RS..... 1575	N2VW1258
K2BU 1550	K3CT1177
W2YC 1522	WT3Q.....1162
N2SS 1511	K2WJ.....1161
K2PS..... 1509	W2YR.....1138
NO2R..... 1504	W3SB1132
K3ND 1488	W2LE1115
N3RD 1486	K3PP.....1110
WA2VYA ..1435	K3NM.....1107
KQ3F..... 1429	NZ3O.....1069
KS3F 1407	N3KN1065
W3CF 1403	KB3FEE231

Islands On The Air

K2FL..... 971	N2VW259
N2SS 781	W3CF253
W3SOH 762	W2YR.....230
W8FJ 573	K2WJ.....223
W2YC 565	WT3W218
N1RK 534	K3GYS193
KS3F 319	KB3FEE23
NZ3O..... 259	

6 METER DXCC

N2LT..... 102	K30060
AA1K 97	N1RK.....57
K2NJ 95	N2SS.....55
K2JF 94	W2YR.....41
K2PS 81	K3PP.....30
WA2VYA 75	K2RW.....36
WT3W 65	W2YC.....16
N3KN 61	



THE FRANKFORD RADIO CLUB NEWSLETTER

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



Affiliated Club

The Frankford Radio Club

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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

144.930 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
TBA W2JT

Telnet DX Cluster

k2ut.gofrc.org
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