



THE FRANKFORD RADIO CLUB NEWSLETTER

PROFICIENCY THROUGH COMPETITION

CALENDAR

April 2010:

- 13 FRC Main Meeting, 7 PM**
- 15 T.I.T.S. Meeting, Noon**
- 20 FRC West Meeting, 6:30 PM**
- 17-18 YU DX Contest
- 24-25 Helvetia Contest
- 24-25 Florida QSO Party
- 27 Rexy Meeting B, 8 PM**

May 2010:

- 8-9 Volta RTTY DX Contest
- 8-9 CQ-M DX Contest
- 20 T.I.T.S. Meeting, Noon**
- 22-23 Baltic Contest
- 29-30 CQ WW WPX Contest, CW
- 25 Rexy Meeting B, 8 PM**

CHANGES

New Callsign

Mark Kempisty, **AA3K**
(was N3GNW)

Deadline for May issue:

Sunday, March 28, 2010

President's Column

I am proud to be a member of **FRC** and am now honored to serve as President for the next year. Thanks to John, **W8FJ**, for his effort over the past few years in leading us. This is a great club with a long and successful history. In order to build on that tradition here are a few things that I think we should take on as our goals for 2010/2011:

- 1 Win CQWWDX Club competition
- 2 Win ARRLDX Club competition
- 3 Develop and add to our members
- 4 Take on at least one or two 'Leadership' activities

I think the first two are self explanatory and should always be our goals. The third and fourth take a little more explanation but are for sure supportive of winning the big DX contests both now and in the future.

Number three: To me this is about us helping each other get better and recruiting and helping new members become the next generation of great club members. One thing that we should do for sure here is make sure that we have something at each meeting that can be interesting and helpful to the membership and prospective members. This will help us have more reasons to invite those in the area that are not yet members. In order to do this I would like to ask for a volunteer to set up a presentation schedule for all meetings. Please contact me if you are interested! To get us started though, **for the next meeting we will have Wes Cosand WZ7I do a presentation on the evolution of skimmer technology.** Wes has provided a skimmer that many of us have used and will provide some insight on the capabilities and issues. All of us in any category other than single op non-assisted can use skimmer capability to increase our scores in the CW contests.

Number four: I think beyond winning this years contests we should be doing some things that set us apart from other clubs and help further this part of the hobby. I am hoping we have some ideas in this area but I will give a couple of examples of things that I think have been done that fall into this category. The first is something PVRC has started which are online webinars. They are open and either on a week night or weekend afternoon, I have attended a few of these and have been impressed. Take a look at the PVRC web site and you can view the webinars that have already occurred. Another example is something David, KY1V, started a number of years ago in sponsoring a young ham for a contest expedition. I am not saying we should do either of these I am just using them as examples of what I think of as 'Leadership' in our part of the hobby. I am sure we have similar or better ideas out there so let's hear them.

I almost forgot that there is actually a fifth goal... that is to do all of the above while having fun, after all this is a hobby! I know I will get a lot of help (and maybe some hell too) in this role so I want to thank you in advance, I am looking forward to a great year.

73, Ray, K9RS

MEETINGS

FRC Main Meeting—The meeting will be held at the Free Library in Richboro between 7-9 pm on Tuesday, April 13. We'll have a presentation by Wes Cosand, WZ7I, about Skimmer technology. Everyone his highly encouraged to bring a guest.

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 Meeting B will meet at 8 PM on Tuesday, April 27.

FRC West Meeting—The next **FRC** West meeting will be Tuesday, April 20 at 6:30 pm, at the Quentin Haus Restaurant in Quentin, PA. It's located three miles North of the Lebanon Exit of the Turnpike (Exit 266). After the Turnpike exit, turn left and go North on Route 72 to the first traffic

2010-11 FRC Club Officers

The following were elected at the March meeting:

President:	Ray, K9RS
Vice President:	Dale, N3BNA
Secretary:	Mark, AA3K
Treasurer:	Bob, KQ2M

Important Newsletter Change

For some time I've been contemplating the role of this newsletter within **FRC**. After careful consideration, a lot of "back and forth" (in my own mind if not others), and consultation with some **FRC** members, I've decided to adjust the newsletter frequency to bi-monthly rather than monthly. The main reasons for the change are the ease with which we can communicate information through various on-line media, and the lack of member article submissions.

Effective with the May/June 2010 issue, the newsletter will be distributed as follows:

May/June
July/August
September/October
November/December
January/February
March/April

If you have any comments, concerns or suggestions, please direct them to me or one of the **FRC** officers (contact information is on the last page).

73, Joe KQ3F

FRC 2010 ARRL SSB SCORE SUBMISSIONS

Station	Class	Score
AA1K	SO	3,108,000
AA3B	SOA	2,500,632
CW5W	MS	3,235,440
<i>Ops</i>	<i>CX4VA CX6VM N3BNA XC5TR</i>	
HS0ZDJ	SOA	20,286
<i>Op</i>	<i>W2YR</i>	
J7N	SO	4,120,560
<i>Op</i>	<i>K3TEJ</i>	
K2AX	MS	1,593,960
<i>Ops</i>	<i>K2AX N1RK N3KR W2MC W3MM</i>	
K2CJ	SOA	265,860
K2GN	SOA	601,425
K2QPN	SOA	125,685
K2TTT	SOA	83,424
K3FT	SO	271,953
K3IPK	SOA	2,200,660
K3MD	MS	1,742,984
<i>Ops</i>	<i>K3MD N3PUR</i>	
K3OO	SOA	1,239,882
K3OOO	SOA	59,400
K3PP	SOA	1,206,672
K3VA	SOA	77,682
K3WI	SOA	761,985
K3WW	SOA	3,223,260
K9RS	MS	4,039,092
<i>Ops</i>	<i>K9RS N3DXX W2GD W2ID</i>	
KB3P	SOA	5,280
KC2NB	MS	202,920
<i>Ops</i>	<i>KC2NB WK2E</i>	
KD3TB	SO	475,800
KP2M	SO	4,914,690
<i>Op</i>	<i>N2TK</i>	
KV2M	SO	168,270
N1IBM	SOA	730,158
N2MM	SOA	2,053,134
N2RJ	SOA	1,134,000
N2RM	MS	1,697,850
<i>Ops</i>	<i>N2RM K3ZV</i>	
N2VM	SOL	3,648
N2VW	SOA	320,892
N2WKS	SOA	325,518

Station	Class	Score
N3MX	MS	883,890
<i>Ops</i>	<i>N3MX K3YD</i>	
N3RJ	SO	320,160
N3YW	SOL	7,380
N3ZA	SOA	380,238
NE3F	MM	2,922,210
<i>Ops</i>	<i>NE3F K3ATO K3GMT KA3GWA KS3F N3OW N3QO NG3J NT3V</i>	
V26M	SOL	3,175,308
<i>Op</i>	<i>N3AD</i>	
V48M	MM	6,775,560
<i>Ops</i>	<i>K3NM W2OX</i>	
W0BR	SOA	373,620
W1GD	SOA	1,842,750
W2CG	M2	1,418,832
<i>Ops</i>	<i>W2CG W2EN</i>	
W2IRT	SOA	1,592,199
W2JJ	SOA	173,346
<i>Op</i>	<i>WA2VUN</i>	
W2LE	SOA	338,310
W2YC	SOA	778,431
W3BGN	SO	2,914,548
W3CC	M2	1,165,164
<i>Ops</i>	<i>W3CC N3GNW</i>	
W3CF	SOA	1,038,888
W3FVT	SO	132,399
W3GM	SOA	674,829
<i>Op</i>	<i>K3ND</i>	
W3KB	SOA	481,650
W3MF	MS	1,705,734
<i>Ops</i>	<i>W3MF K3PH</i>	
W3SQ	SO	58,000
WA3RHW	SOA	300,492
WE3C	M2	8,784,504
<i>Ops</i>	<i>WE3C KQ3F KQ3V N3RD NN3Q W3FV W8FJ</i>	
WM3L	SO	103,752
XU7ACY	SO	59,295
<i>Op</i>	<i>NO2R</i>	

Is your score listed correctly? If not, contact K3WW immediately to get it corrected.



Watt Meters

Fill ALL your Thruline® wattmeter needs at <http://www.nm3e.com>

Featuring new and used meters, elements, loads and more by BIRD® and Coaxial Dynamics.

73 Tim Brown NM3E 610-207-4865

Reprinted from the March 3, 2010 ARRL Contest Update

Steve N2IC notes with some interest that in the recent ARRL DX CW contest the top Single Operator, Assisted claimed scores are higher than the top Single Operator scores. That's fairly uncommon! It might be due to the unexpectedly good conditions or perhaps a harbinger of things to come. Time will tell.

After a big contest, digging through the flood of 3830 messages for the juicy commentary can be quite a chore. Luckily, Dink N7WA has extracted the Soapbox comments and distilled them down to a heady brew you may quaff at leisure.

As more and more spots pour into and out of the spotting networks, it is up to the operator to be even more vigilant that calls are correct. Not only can call signs be busted, but with automatic CW decoders located in different locations, more than one station can be present on a frequency! It only takes a little bit of frequency offset somewhere along the line and it's easy to work a station adjacent to the one you intended to call. So confirm the call sign before entering it in your log. And pileup running stations -give your give call frequently to reduce slowing your rate from duplicate QSOs!

Rudy N6LF's article on radials in the May 2010 issue of *QST* is certainly drawing well-deserved attention. The entire set of Rudy's seven QEX articles on ground systems is available online on his Web site. (Thanks, Steve N2IC)

Reprinted from the March 17, 2010 ARRL Contest Update

The PJ2T log summary, hour by hour breakdown, team photo, and photo album for ARRL DX CW at PJ2T are posted online. Big 10 meter openings were reported for the first time in quite a while and the team "may have had more fun than the law allows", so the operation was a big success! (Thanks, Geoff WØCG/PJ2DX)

Listening to yourself operate can be an educational, if occasionally painful, experience and a great way to improve technique. It's relatively straightforward to capture the audio as a WAV file with the software that comes with your sound card. Converting to MP3's for your audio player lets you listen anywhere, anytime. Programs that convert WAV to MP3 format include Audacity (also records the audio and requires the LAME plug-in as described on the Web site), Lame-DropXPD, and BladeEnc. (Thanks, Zack W9SZ, Ryan N2RJ, and Doug W9WI)

L-Com has just introduced a series of AC/DC Lightning Protectors for low-voltage control lines, just right for rotator and switch cables. Units are available for 12-, 24-, and 48-V lines. The protectors have removable screw terminal strips for fast and easy setup, and a ground clamp provided on the outside of the enclosure for easy grounding. Each Lightning Protector is able to protect up to 8 individual single-ended control lines. (Thanks, Eric K3NA)

Your Beverage went dead? Guy K2AV provides this troubleshooting tip, "It is not the best way to feed them normally, but try feeding the beverages directly to the coax to see if you hear signals. Many Beverage impedance transformers have been destroyed by a lightning-induced surge on the antenna. Lightning can induce many kilovolts on a 500 foot Beverage. This kind of a surge can vaporize or short coax shield and center conductor on smaller coax, particularly RG-6 variants."

<http://www.lz1jz.com>



Reprinted from the March 31, 2010 ARRL Contest Update

Jim K9YC has published another excellent tutorial, this time on Coaxial Cable and Stubs. This tutorial is in FAQ format and would be particularly good for contesters that are beginning to optimize or expand their stations. This is the first draft of the tutorial and will likely expand over time.

To speed your search for a suitable ac line filter, here is a page reference from the Mouser Electronics on-line catalog summarizing common parts from Qualtek. Mouser also carries Corcom filters and other well-known brands of EMI control items, such as Murata-Erie and TDK. (Thanks, Peter N5UWY)

More on filters, this time band-pass receiving filters. David K1NQ has designed a six-band switchable filter package. This would be quite useful in a multi-op station or at Field Day. A receiving filter can't remove in-band noise generated by a nearby transmitter, but it can greatly reduce out-of-band signal strength and prevent overload.



Antenna 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)

W1AW 2010 Spring/Summer Operating Schedule

Morning Schedule:

Time	Mode	Days
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1300 UTC (9 AM ET)	CWs	Wed, Fri
1300 UTC (9 AM ET)	CWf	Tue, Thu

Daily Visitor Operating Hours:

1400 UTC to 1600 UTC - (10 AM to 12 PM ET) 1700 UTC to 1945 UTC - (1 PM to 3:45 PM ET)

(Station closed 1600 to 1700 UTC (12 PM to 1 PM ET))

Afternoon/Evening Schedule:

2000 UTC (4 PM ET)	CWf	Mon, Wed, Fri
2000 " "	CWs	Tue, Thu
2100 " (5 PM ET)	CWb	Daily
2200 " (6 PM ET)	DIGITAL	Daily
2300 " (7 PM ET)	CWs	Mon, Wed, Fri
2300 " "	CWf	Tue, Thu
0000 " (8 PM ET)	CWb	Daily
0100 " (9 PM ET)	DIGITAL	Daily
0145 " (9:45 PM ET)	VOICE	Daily
0200 " (10 PM ET)	CWf	Mon, Wed, Fri
0200 " "	CWs	Tue, Thu
0300 " (11 PM ET)	CWb	Daily

Frequencies (MHz)

	-----	-----	-----	-----	-----	-----	-----	-----
CW:	1.8025	3.5815	7.0475	14.0475	18.0975	21.0675	28.0675	147.555
DIGITAL:	-	3.5975	7.095	14.095	18.1025	21.095	28.095	147.555
VOICE:	1.855	3.990	7.290	14.290	18.160	21.390	28.590	147.555

Notes:

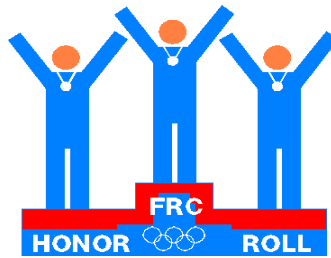
CWs = Morse Code practice (slow) = 5, 7.5, 10, 13 and 15 WPM CWf = Morse Code practice (fast) = 35, 30, 25, 20, 15, 13 and 10 WPM CWb = Morse Code Bulletins = 18 WPM

CW frequencies include code practices, Qualifying Runs and CW bulletins.

DIGITAL = BAUDOT (45.45 baud), BPSK31 and MFSK16 in a revolving schedule.

Code practice texts are from QST, and the source of each practice is given at the beginning of each practice and at the beginning of alternate speeds.

A DX bulletin replaces or is added to the regular bulletins between 0000 UTC (8 PM ET) Thursdays and 0000 UTC (8 PM ET) Fridays.



APRIL

conducted by N2SS

2010

WARC BANDS

<u>30 Meters</u>	<u>17 Meters</u>	<u>12 Meters</u>
K2FL .. 337	K2FL...340	N2TK ..331
N2TK.....336	N2TK ..340	K2FL.....327
N2LT.....329	N2LT.....339	N2LT.....324
W3BGN.....327	W3BGN...334	W3BGN...318
W2YC.....320	N2SS.....327	WØMHK..313
W8FJ.....313	WØMHK..325	N2SS.....303
N2SS.....303	W2YC.....323	W2YC.....286
W2UP.....296	W2UP.....322	K2PS.....270
WA2VYA...295	K2PS.....312	WA2VYA...269
N3RD.....294	WA2VYA..303	W2UP.....268
K2PS.....292	W8FJ.....301	N1IBM.....242
WØMHK ..290	N2MM.....300	W8FJ.....235
N2MM.....260	N1IBM.....282	KQ3F.....220
W2IRT.....244	W2IRT.....270	N1RK.....218
K3II.....234	KQ3F.....270	K3II.....203
N1IBM.....229	N1RK.....266	W2LE.....202
W2LE.....223	W2LE.....261	N2MM.....194
KQ3F.....217	K3II.....256	W2YR.....187
W3KB.....189	K2AX.....236	W2IRT.....137
K2QPN.....187	W2YR.....213	N2CQ.....128
N2VW.....182	N2CQ.....191	W3KB.....99
N2CQ.....181	K2QPN.....161	AB2E.....92
AB2E.....156	K2GN.....147	K2AX.....86
N1RK.....144	W3KB.....143	K2QPN.....71
W2YR.....144	N2VW.....133	N2WKS.....51
K2GN.....110	K3ND.....130	N2VW.....43
K3ND.....96	AB2E.....127	K2GN.....38
N2WKS.....86	N2WKS.....116	K3GYS.....30
K2AX.....81	K3GYS.....85	W2CG.....2
W2CG.....38	W2CG.....17	
K3GYS.....17	WA3RHW..15	

Still looking for that undisputed
KING OF WARC

6 METER DXCC

WØMHK 113	W2YR.....50
N2LT.....112	W3BGN.....48
K2PS.....109	W2LE.....46
AA1K.....100	K2GN.....43
K3OO.....95	N1IBM.....34
WA2VYA.....88	K2AX.....21
K3SX.....75	N2MM.....21
W2YC.....70	K2QPN.....10
N1RK.....57	K3GYS.....10
WT3Q.....56	W2CG.....5
N2SS.....55	N2WKS.....3
N2TK.....54	

160 Meters

W3BGN308	K3ND.....137
AA1K.....306	N3RD.....132
WT3Q.....280	N1IBM.....122
N2LT.....270	W2IRT.....122
N2TK.....263	N2VW.....121
NO2R.....258	K2PS.....116
K3SX.....254	W2CG.....116
W8FJ.....243	K2GN.....110
W2YC.....235	K2AX.....106
K3JIG.....230	AB2E.....100
W2UP.....222	W2YR.....92
N2MM.....195	KQ3F.....88
K3SWZ.....192	N2WKS.....83
N3RS.....192	N2SS.....82
WØMHK.....168	W2LE.....71
WA2VYA.....162	K3NL.....70
K3II.....160	N1RK.....65
K2FL.....154	K2QPN.....28
	K3GYS.....12

W3BGN continues as the Top of Top
Band!

ATTY DIGITAL

W2UP.....342	K2QPN.....145
N2LT.....340	W2YR.....132
K3SWZ.....329	K2GN.....123
W3KB.....315	W2CG.....91
W2YC.....308	N2SS.....88
K2PS.....303	WA2VYA.....84
KQ3F.....208	N2WKS.....55
N2TK.....208	W3BGN.....48
W2IRT.....206	N1RK.....39
N2CQ.....188	K3GYS.....15
W2LE.....171	W8FJ.....12
N1IBM.....154	

MOBILE DX

AA1K.....278	K3GYS.....143
W2YC.....276	WM3L.....109
N2SS.....234	W2YR.....28

Jon continues as our B ig W heel.

1.5K Club

K2FL.....1726	W2CG1504
W3BGN 1715	KQ3F1501
N2LT.....1707	WA2VYA...1499
N2TK.....1707	K3II.....1449
W2UP1685	N2VW.....1334
N3RS.....1648	N1IBM.....1275
W8FJ1629	N1RK.....1312
W2YC1625	W2LE.....1225
N3RD.....1599	AB2E.....1185
N2MM1559	W2YR.....1170
NO2R.....1556	W2IRT.....1163
N2SS1547	K2GN.....1118
K2PS1555	K2AX.....1101
K3ND1510	W3KB.....1086
WØMHK...1509	N2WKS.....965
	K2QPN.....827

ARRL DXCC Challenge

N2LT.....2994	W2LE.....1864
N2TK.....2947	W2YR.....1747
W2YC.....2840	N2VW.....1664
WØMHK...2683	K2AX.....1631
WA2VYA..2602	W2CG.....1187
K2PS.....2394	K2GN.....1147
KQ3F.....2206	N2WKS.....1118
N1IBM.....1999	AB2E.....1104
N2SS.....1952	W3KB.....1017
N1RK.....1941	K2QPN.....856
W2IRT.....1870	

Lew continues in the lead.

Islands On The Air

K2FL.....1029	K2AX.....298
N2SS.....878	N2VW.....282
W2YC.....734	W2YR.....271
W8FJ.....679	K2QPN.....236
N1RK.....557	W2IRT.....232
WØMHK.....432	K3GYS.....232
WA3RHW...329	AB2E.....205
	W3KB.....177



THE FRANKFORD RADIO CLUB NEWSLETTER

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



Affiliated Club

The Frankford Radio Club

Club Officers

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Secretary, AA3K , Mark Kempisty		Email: mkempisty@verizon.net
Treasurer, K2QM , Bob Shohet.....	203-270-8456	Email: kq2m@earthlink.net

Committee Chairman

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

Newsletter & Roster

Editor, KQ3F , Joe Stepansky	717-657-9792	Email: kq3f@comcast.net
Printing, AA3K , Mark Kempisty.....		Email: mkempisty@verizon.net

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

Home Page - www.gofrc.org

Meetings

The main meeting will be held at the Free Library in Richboro between 7-9 pm on Tuesday, March 23rd. 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
 wt3q.gofrc.org 7300
 tuacluster.no-ip.org:23