



# THE FRANKFORD RADIO CLUB NEWSLETTER

*PROFICIENCY THROUGH COMPETITION*

## CALENDAR

### March 2010:

- 6-7** ARRL DX Contest, SSB
- 14 North American Sprint, RTTY
- 18** T.I.T.S. Meeting, Noon
- 20-21 Russian DX Contest
- 20-22 BARTG HF RTTY Contest
- 23** FRC Main Meeting, 7 PM
- 24** REXY Meeting B, 8 PM
- 27-28 CQWW WPX Contest, SSB

### April 2010:

- 3-4 SP DX Contest
- 15** T.I.T.S. Meeting, Noon
- 17-18 YU DX Contest
- 24-25 Helvetia Contest
- 24-25 Florida QSO Party
- 27** REXY Meeting B, 8 PM

## CHANGES

### New Member

#### NG3J

Fred G Guiliano  
109 Lilly Rd  
Honey Brook, PA 19344

### Deadline for April issue:

Sunday, March 28, 2010

## President's Column

Greetings to you all.

The CW portion of the ARRL DX Contest is now history, and some really nice scores have been posted. Those of you who were active know that the propagation gods are beginning to shine on us once again. It's amazing how even a few sunspots make things much more interesting and fun. Hopefully, things will be even better for the SSB Contest the first weekend in March.

Plan to be active on SSB. We need your BEST possible effort. Plan to STAY in the operating chair. Our CW scores were up, but so were those at YCCC. We not only need good scores on SSB, we need LOTS of good scores. If you can't be active from home, there's still time to hook up with one of the multi-op stations. Make those arrangements now!

**The March FRC Meeting will once again be held at the Free Library in Richboro, PA.** It will not be on the traditional 2nd Tues of the month, however, because the meeting room was already booked for that date. Instead it will be on **Tuesday, March 23rd between 7-9 pm.** We will be going over the ARRL Contest scores and entertaining nominations for new club officers. Mark your calendars and plan to be at the meeting.

Good luck during the SSB Contest. See you all in the pileups. Don't forget to send in your logs.

*73 de John, W8FJ*

## MEETINGS

**FRC Main Meeting**—The meeting will be held at the Free Library in Richboro between 7-9 pm on Tuesday, March 23rd. We will be going over ARRL scores and presenting nominations for officers.

**T.I.T.S. meeting**—The Trexlertown International Transmitting Society meets on Thursday, March 18 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, March 23.

**FRC West Meeting**—The next FRC West meeting will be Tuesday, April 13 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 light. The restaurant is at the intersection of Routes 72 and 419 in Quentin.



Antennas and towers from W3PP estate. Details at <http://mysite.verizon.net/vze7hgw3/w3ppestateantennasandtowersforsale/>  
(or follow the link from the top of [www.aa1k.us](http://www.aa1k.us)).

I have a Yaesu FT-1000MP Mark V for sale. This is the 200 Watt model. Includes the following;

- ◆ FP29 power supply
- ◆ Filters 3rd IF - 2.0, 500, 250
- ◆ 2nd IF - 2.0, 250
- ◆ The following mods:
- ◆ RX Sensitivity/ Noise Blanker Mod
- ◆ Keying Improvement Mod
- ◆ Also installed is an INRAD Roofing filter - 6 pole 4 khz.

Priced to sell at \$1250. [k2gn@eckenweb.com](mailto:k2gn@eckenweb.com)

*de K2GN/Larry*

### 2010 FRC Donation

NA2U (AZ)



### 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](mailto:w2gd@hotmail.com)

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

## FRC 2010 ARRL CW SCORE SUBMISSIONS

Station	Class	Score
AA1K	SO	4,471,038
AA3B	SOA	4,733,730
K2AX	MS	1,398,150
<i>Ops</i>	<b>K2AX K3ZV N3KR</b>	
K2DM	SOQ	834,951
K2GN	SOA	790,500
K2QPN	SOA	483,108
K2R	SOA	4,291,569
<i>Op</i>	<b>K2NG</b>	
K2SG	SOA	2,464,020
K2SQS	SOA	434,784
K3MD	SOA	2,380,464
K3ND	SOA	1,122,585
K3NM	SOA	641,655
K3OO	SO	3,875,577
K3PH	SOQ	687,750
K3SWZ	SOL	506,880
K3VA	SO	271,437
K3WI	SO	1,824,444
K3WW	SOA	6,361,740
K3ZV	SOA	260,019
KB3P	SO	252,495
KD3TB	SOA	210,396
KF3B	SOA	1,581,174
KP2M	M2	7,187,064
<i>Ops</i>	<b>K3CT K3TEJ</b>	
KQ3F	SOA	2,715,117
N1RK	SOA	846,846
N2CQ	SOA	341,598
N2MM	SOA	3,953,862
N2WKS	SOA	65,913

Station	Class	Score
N3AD	SOA	3,516,957
N3GNW	SO	326,000
N3MX	SOA	697,866
N3RS	M2	10,175,465
<i>Ops</i>	<b>N3RS N2SR N3RD NG7M W7CT W8FJ</b>	
NE3F	MM	3,066,723
<i>Ops</i>	<b>NE3F K3ATO KS3F NG3J WA3WLH</b>	
V48M	SO	2,700,000
<i>Op</i>	<b>W2OX</b>	
W0BR	SOA	279,642
W1GD	SOA	2,489,221
W2CG	M2	2,829,993
<i>Ops</i>	<b>W2CG W2EN</b>	
W2IRT	SOA	1,030,032
W2LE	SOA	861,000
W2YC	SO	2,026,125
W3CF	SOA	1,031,040
W3EA	SOA	333,195
W3FVT	SO	167,580
W3IZ	SOA	301,410
W3KB	SOL	1,025,715
W3SQ	SO	115,000
W6XR	SOA	1,216,332
WE3E	SO	226,260
XU7ACY	SOA	155,439
<i>Op</i>	<b>NO2R</b>	
<b>Total</b>		<b>89,559,861</b>

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

### REPORT ALL ARRL DX CONTEST SCORES TO k3ww@fast.net!

Please submit your log to dxcw@arrl.org or dxphone@arrl.org. Please be sure the robot understands your entry (you'll receive an email in return)

List Frankford Radio Club under CLUB. If you need help getting a log in, contact k3ww@fast.net



### 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 February 3, 2010 ARRL Contest Update**

What of the new Xtreme category in the CQ World-Wide? First announced at the Dayton Hamvention Contest Forum in 2009, the category attracted about a dozen participants split between CW and SSB. More Xtreme-ist stations have announced plans to enter this category in 2010, needing some time to develop software and hardware. This is in line with expectations of the CQ WW Committee for the first year. (Thanks, Doug K1DG)

The Northern California Contest Club presents "RTTY Contesting for Newbies", another of their fine Webinars, this one concentrating on the practical aspects of getting your station up and running on RTTY. Make 2010 the year you stopped making excuses about why you can't be active in RTTY contests, says the club! Topics include RTTY fundamentals and interfaces, common problems, and demos of setting up MMTTY, N1MM, and Writelog software. The Webinar is presented by Dean N6DE, Iain N6ML, John K6MM, and Fred K6DGW. It's nearly two hours long and the video file is 115 Mbytes. (Thanks, Dean N6DE)

The Double Half Delta Loop (DHD) receiving antenna used by the impressive TX3A expedition is described in an downloadable ZIP file of material and also on IV3PRK's Web site where Luis describes additional developments to this simple, yet effective low-band antenna. (Thanks, Neil GØJHC and Jacek SP5DRH)

A nice pair of articles by KØFF appeared recently on the eham.net Web site. First is an article on building impedance transformers for Beverage antennas with lots of photos and detailed instructions. The second is a variation of the 5/8-wavelength 40 meter vertical design in ON4UN's "Low Band DXing" book. Good reading!

Resources for dealing with RFI to and from the dreaded touch-lamps are presented on a dedicated ARRL Technical Information Service page. *QST* also ran several articles on the problem: May 1985, Jan 1986, Jan 1993, May 1993, Feb 1995, Apr 1995, and Jun 1997 - all are available through the online *QST* Archives for ARRL members. (Thanks, Gene AD3F)

**Reprinted from the February 17, 2010 ARRL Contest Update**

With the CQ WW Contest receiving over 10,000 entries, the CQ WPX Contest more than 7,000 entries, and the CQ RTTY Contests with almost 5000 entries, it is becoming increasingly difficult to efficiently parse the free-form mailing addresses that appear in logs from all parts of the world. In response, last year the committee that controls the Cabrillo log format standard introduced four new tag definitions for entry of postal mailing addresses:

ADDRESS-CITY:

ADDRESS-STATE-PROVINCE:

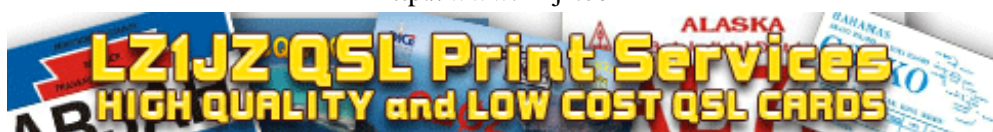
ADDRESS-POSTALCODE:

ADDRESS-COUNTRY:

These new tags are optional for all contests, but it recommended that logging software authors implement them in the Cabrillo format output utilities so that the program user address is read correctly by the contest sponsors.

Here's a very nice short video showing how the reflector and director elements of a Yagi antenna focus radio signals. The demonstration by Diane Eng (KC2UHB, I believe) uses a light bulb and handheld dipole as the receiver. This may be just the thing for teaching a new ham about Yagi antennas. There are complete construction directions on the Web page, as well, and several links to other ham radio videos. The Yagi used for the demonstration is a dual-band "Cheap Yagi" design from WA5VJB. (Thanks, Paul N5IUT)

<http://www.lz1jz.com>



## Reprinted from the February 17, 2010 ARRL Contest Update

**Contesting Checklist** (by Jack WAØRJY, written for little pistols and medium guns in major contests)

### **One Month prior to the contest**

- Join your local contest club
- Talk to other local testers
- Determine class of operation
- Set goals
- Install any temporary antennas

### **One Week prior to the contest**

- Inform family, do additional chores, clear weekend schedule
- Check out rig
- Check out backup rig
- Check out computer and computer software - be sure to have the most up-to-date country list and have any contest-specific features ready
- Check antenna SWR on all bands for mode of operation
- Buy food and drink for contest
- Locate backup keying cable, computer cable, etc. and be sure they work
- Check over the operating position for comfort - chair, clock, computer screen
- Cruise the Internet for info and inspiration

### **Two Days prior to the contest**

- Read the rules of the contest (even if you know them by heart)
- Print out propagation predictions
- Print out list of DX-peditions that will be active
- Make band plan (when do you plan to operate on each band)
- Practice with contest simulator
- Get plenty of sleep - adjust your pattern to match your operating

### **Four Hours before the contest**

- Arrange food and drink
- Say goodbye to spouse and children
- Synchronize the computer clock to WWV
- Check your computer logging program to be sure it has the correct UTC time and date
- Take a nap
- Check out the bands to see if your band plan is on target and you have selected the correct starting band

### **During the contest**

- Maximize points
- Stay at the rig!
- Stay fresh
- Follow your band plan
- Pass up easy multipliers on the first day of the contest
- Fight for essential multipliers

Jeff K8ND implemented a system of three on-site CW Skimmers at PJ2T for the CQWW 160 CW contest and has provided a description <[http://www.k8nd.com/Radio/Planning/CQWW160/pj2t\\_cw\\_skimmer\\_scheme.pdf](http://www.k8nd.com/Radio/Planning/CQWW160/pj2t_cw_skimmer_scheme.pdf)> of the system. Each of the three SDR-IQ receiver used a different directive receiving antenna switched periodically depending on the target areas of interest. The outputs of the CW Skimmers were run through K1TTT's WinTelnetX software to combine them with spots from the spotting networks and provide them directly to the Writelog contest logger's spot window.



 *Notes From Your Editor*

My recent travels have precluded me from putting together this column the past couple of months. Besides ham radio my other love is photography and I went on an 8 day photo trek through Costa Rica. I was part of a group of twenty led by a professional photographer who has shot for National Geographic. We visited places far out into the country. Stops included several days each at the Monteverde Cloud Forrest, Arenal with its volcano and famed hanging bridges and Tortuguero whose only access was via water and a 1½ hour boat ride. I captured some spectacular images which can be seen at my photography web site: [www.pixgargano.com](http://www.pixgargano.com)

The day I was scheduled to fly home was the day of the record snow storm up here. When I phoned US Air from the hotel to check on my flights they advised they could only get me to Charlotte where I would have to wait it out. I told the agent I had a better idea: rebook me for the following week and I was going to don swim trunks and head to the pool. So, I did that and the extra time in Costa Rica was certainly more enjoyable than camping out at the Charlotte airport and fighting snow at home. After a week at home I was off the following week to Rancho Mirage CA to attend the annual technology conference put on by the Hollywood television and film production community. Very easy to get spoiled by warm weather when it is winter and the snow is flying!

*Time Enough!*

This newsletter marks the end of my 26<sup>th</sup> year preparing this DX column and maintaining the FRC DX Honor Roll listings which I created early on, actually as a way to encourage contest operating. My original thought was that a club Honor Roll listing competition might further encourage contest operating in order to rack up more band countries and move up the listing ladder. The idea was to create competition and thus motivate the entering of contests to rack up those band country totals. Competition is what the FRC is all about and through the years I have received and honored requests to expand the Honor Roll listing categories to the level reflected today.

While the Honor Roll listings continue with lots of interest and participation, the cover sheet of DX information that I try to put together each month has become, in a word, irrelevant. In this internet age of instant communications and myriads of sources for up to the minute DX information, a monthly bulletin is an anachronism. So, this will be my last DX page and after 26 years I would also like to find someone else to turn the Honor Roll listing page over to. You can continue to send me your updates as I will proceed to maintain it until someone steps forward.

*Honor Roll Cleanup Time*

It's that time of year again - the annual clean up of the Honor Roll listings. If your current totals have not changed since January 2009 and if I have not gotten a request to maintain your listing, I will assume you have become inactive and no

longer wish to be listed. So, if you haven't provided any updates for past year or so and want to continue to be listed just drop me an email. Otherwise, if I do not hear from you, your call will be deleted from the listings. If you do get deleted and wish to have your tally reinstated, simply let me know. No harm intended, this is just a way to keep the listings active and healthy.

**Rules for FRC Honor Roll Listings.**  
 DXCC Challenge is CONFIRMED total ACTIVE (no deleted) on 160-6 excl 60 Meters per ARRL rules. For all others provide me with your total IOTA's worked, or countries (including deleted) worked for: WARC Bands, 160 Meters, Digital modes, Mobile, 6 Meters or your total for 80,40,20, 15 and 10 for 1.5K Club.

**OFFICIAL ARRL DXCC STATS**

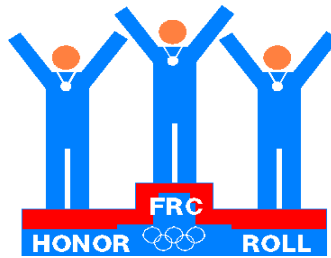
Active Count.....	338
Deleted Count.....	58
Last Addition.....	FJ
Last Deletion.....	STØ

*N2 Special Salute*

Have you made your contribution yet? Contribute to your Newsletter and get the "S" "S".  
 ©

**73, Tony N2SS**

You can reach me as follows:  
 H:856-227-4896 C:609-221-4899  
[n2ss@n2ss.com](mailto:n2ss@n2ss.com)



**MARCH**

conducted by N2SS

2010

**WARC BANDS**

30 Meters	17 Meters	12 Meters
<b>K2FL .. 337</b>	<b>K2FL...340</b>	<b>N2TK ..331</b>
N2TK.....336	<b>N2TK...340</b>	K2FL.....327
N2LT.....329	N2LT.....339	N2LT.....324
W3BGN.....327	W3BGN...334	W3BGN...318
W2YC.....315	N2SS.....327	WØMHK..313
W8FJ.....313	WØMHK..325	N2SS.....303
N2SS.....303	W2UP.....322	W2YC.....283
W2UP.....296	W2YC.....321	K2PS.....270
WA2VYA...295	K2PS.....312	WA2VYA...269
K2PS.....292	WA2VYA..303	W2UP.....268
WØMHK..290	W8FJ.....301	W8FJ.....235
N3RD.....290	N2MM.....300	N1IBM.....234
N2MM.....260	N1IBM.....279	KQ3F.....220
W2IRT.....244	W2IRT.....270	N1RK.....218
K3II.....234	KQ3F.....270	K3II.....203
N1IBM.....225	N1RK.....266	W2LE.....202
W2LE.....223	W2LE.....261	N2MM.....194
KQ3F.....217	K3II.....256	W2YR.....187
W3KB.....189	K2AX.....236	W2IRT.....137
K2QPN.....186	W2YR.....213	N2CQ.....128
N2VW.....182	N2CQ.....191	W3KB.....99
N2CQ.....181	K2QPN.....156	AB2E.....92
AB2E.....156	K2GN.....147	K2AX.....86
N1RK.....144	W3KB.....143	K2QPN.....59
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**

<b>WØMHK .... 113</b>	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.....69	K2QPN.....10
N1RK.....57	K3GYS.....10
WT3Q.....56	W2CG.....5
N2SS.....55	N2WKS.....3
N2TK.....54	

**160 Meters**

<b>W3BGN .....308</b>	K3ND.....137
AA1K.....306	N1IBM.....122
WT3Q.....280	W2IRT.....122
N2LT.....270	N2VW.....121
N2TK.....263	N3RD.....118
NO2R.....258	K2PS.....116
K3SX.....254	W2CG.....116
W8FJ.....243	K2GN.....110
K3JIG.....230	K2AX.....106
W2UP.....222	AB2E.....100
W2YC.....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**

<b>W2UP.....342</b>	K2QPN.....142
N2LT.....340	W2YR.....132
K3SWZ.....329	K2GN.....123
W3KB.....315	W2CG.....91
K2PS.....303	N2SS.....88
W2YC.....303	WA2VYA.....84
KQ3F.....208	N2WKS.....55
N2TK.....208	W3BGN.....48
W2IRT.....206	N1RK.....39
N2CQ.....188	K3GYS.....15
W2LE.....171	W8FJ.....12
N1IBM.....152	

**MOBILE DX**

<b>AA1K.....278</b>	K3GYS.....143
W2YC.....276	WM3L.....109
N2SS.....234	W2YR.....28

Jon continues as our B ig W heel.

**1.5K Club**

<b>K2FL.....1726</b>	<b>W2CG .....1504</b>
<b>W3BGN .... 1715</b>	<b>KQ3F .....1501</b>
<b>N2LT.....1707</b>	WA2VYA...1499
<b>N2TK.....1707</b>	K3II .....1449
<b>W2UP .....1685</b>	N2VW .....1334
<b>N3RS.....1648</b>	N1IBM.....1264
<b>W8FJ .....1629</b>	N1RK.....1312
<b>W2YC .....1616</b>	W2LE .....1225
<b>N3RD.....1593</b>	AB2E .....1185
<b>N2MM .....1559</b>	W2YR.....1170
<b>NO2R.....1556</b>	W2IRT.....1163
<b>N2SS .....1547</b>	K2GN .....1118
<b>K2PS .....1555</b>	K2AX .....1101
<b>K3ND .....1510</b>	W3KB.....1086
<b>WØMHK...1509</b>	N2WKS .....965
	K2QPN .....814

**ARRL DXCC Challenge**

<b>N2LT.....2994</b>	W2LE .....1864
N2TK.....2947	W2YR.....1747
W2YC.....2811	N2VW .....1664
WØMHK...2683	K2AX .....1631
WA2VYA ..2602	W2CG.....1187
K2PS.....2394	K2GN .....1147
KQ3F.....2206	N2WKS .....1118
N1IBM.....1972	AB2E.....1104
N2SS.....1952	W3KB.....1017
N1RK.....1941	K2QPN .....856
W2IRT.....1870	

Lew continues in the lead.

**Islands On The Air**

<b>K2FL.....1029</b>	K2AX .....298
N2SS.....876	N2VW.....282
W2YC.....712	W2YR.....271
W8FJ.....679	K2QPN .....235
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

President, **W8FJ**, John Schrader.....610-279-6097  
Vice Pres, **K2UT**, Bob Applegate.....609-714-9359  
Secretary, **N3ZA**, Moe Mosheim, Jr.....215-256-4004  
Treasurer, **KQ2M**, Bob Shohet.....203-270-8456

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

### Committee Chairman

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

### Newsletter & Roster

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

Email: kq3f@comcast.net  
Email: n3za@comcast.net

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

**Home Page** - [www.gofrc.org](http://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