



THE FRANKFORD RADIO CLUB NEWSLETTER

PROFICIENCY THROUGH COMPETITION

CALENDAR

October 2011:

- 1-2 Oceania DX Contest, SSB
- 1-2 California QSO Party
- 8-9 Oceania DX Contest, CW
- 8-9 Scandinavian Activity, SSB
- 8-9 Pennsylvania QSO Party
- 11 Main Meeting, 7 PM**
- 15-16 New York QSO Party
- 15-16 Worked All Germany Test
- 20 T.I.T.S. Meeting, Noon**
- 25 Rexy Meeting B, 8 PM**
- 29-30 CQ WW DX Contest, SSB**

November 2011:

- 5-6 Ukrainian DX Contest
- 5-6 ARRL Sweepstakes, CW
- 8 Main Meeting, 7 PM**
- 12-13 WAE DX Contest, RTTY
- 12-13 OK/OM DX Contest, CW
- 17 T.I.T.S. Meeting, Noon**
- 19-20 LZ DX Contest
- 19-20 ARRL Sweepstakes, SSB
- 22 Rexy Meeting B, 8 PM**
- 26-27 CQ WW DX Contest, CW**

December 2011:

- 28 FRC Pizza Blast, Noon**

CHANGES

New Member

WB3IWC

Joel Schwartz
744 Laurel Hill Road
Bangor, PA 18013-5564
home 570-897-6333
email: wb3iwc@gmail.com

Callsign

W2REH is now NG2O

Deadline for November issue:

Sunday, October 23, 2011

President's Column

Straight from the Radio Shack, K9 Radio Shack that is...

CQWW Time to get Serious!

CQWW is just around the corner and conditions are looking very, very interesting. For me this is the big one, the one with all of the multipliers and activity and this year we may have some exceptional 10M propagation which has not been seen in a number of years. Let's make sure we take advantage of it. If you have been slugging it out on 20M for a good portion of the day in recent years and getting discouraged get ready to have some real fun on 10 and 15. With one or both likely to be very open and for long periods of time we should have some real fun. It's not so hard to have a good signal on 10, even a couple of elements at 10 to 20 feet will work surprisingly well and let you have some good runs. A 2 element quad can be made with PVC and will really work...it won't last long if you leave it up but you can have a lot of fun putting it up for contest weekends. If all you have is a trap vertical you can really multiply your fun by adding a few element 10M yagi at 10 or 20 feet on some tubing pointed at Europe (or better yet with a string and a weight so you can pull it around to South America and JA). Use the trap vertical to get multipliers on all the bands and try to get a larger number of contacts on 10M where you can run or hunt faster and you can really come up with a big score. I have talked to people from our area that have had big runs on 10M with small yagi's at 8 feet when the band is really open. Remember a 10M yagi at 10 feet is like a 20M yagi at 20 ft and at 20 feet high it's like the 20M yagi being at 40 feet! Take a look at conditions the weekend of October 1st & 2nd as it's likely that CQWW SSB conditions 28 days later will be similar. Let's keep our fingers crossed that the Solar Flux will be in the high 100's.

Next month I would like to cover some of the efforts our club members have been making with small stations. Please send your story to me. I think others will find many of these inspiring. **REMEMBER EVERY SCORE COUNTS!**

All of FRC is wishing a speedy recovery to W3BGN ! We've been missing you Steve.

Remember to give back if you can

- We are still looking for donations for **FRC**
- I am looking to put together another station to donate (maybe this time to a DX station?). Let me know if you have stuff to include (radio, paddle, supply, antenna stuff etc)
- WRTC 2014 <http://wrtc2014.org/>

(Continued on page 2)

President's Column *(Continued from page 1)*

Meeting

The theme of the October Meeting will be: Getting Ready to Contest

October 11 **Holiday INN Lansdale** just off exit 31 (Lansdale) of the Northeast extension of the Pa Turnpike 7:00 dinner, drinks & conversation followed by the meeting at 8:00 PM. We are getting pretty good turnouts for the meetings, join us if you can.

73, Ray K9RS

Member Submission from K3TUF

Hello fellow **FRC** members in the ARRL Atlantic Division. My name is Phil Theis, **K3TUF**, and I'm running for the Atlantic Division Director position. Growing up in Philadelphia in the 60's I was friends with some of your earliest members and now look forward to serving you in this capacity.

Directors serve on the corporation's Board of Directors, without compensation, and are responsible for financial and administrative policy decisions in the day to day, and long range operations of the League. They serve a three year term and are voted upon by the members in their geographic division. The Atlantic Division Director represents 13,000 such members.

Growing up in the Philadelphia EPA area I was licensed in 1962 as KN3TUF and served in numerous ham radio positions along the way. You can check out my website (k3tuf.com) for all the extremely interesting details of my life :-)

My wish is to keep this hobby exciting and every move I make as Director would take all of the many interests we have into account. We are a diverse bunch of hobbyists and that's what makes it so much fun.

I want to have the input of all of the members in the Atlantic Division. So I would publish the agenda prior to Board meetings to solicit your feedback. I would also bring the ARRL into the modern communication age by using the most popular forms of social media to reach particularly the newer members of our hobby. We amateurs communicate extensively via the Net and we need to reach those members who use social media but are not club joiners.

In previous balloting for Director, the majority of ballots ended up in the trash; I'd like to see a good turnout in this election process. Please look for your ballot in the coming days and exercise your right to choose your representative at the ARRL Board of Directors. It's your choice.

And please take a look at my website: k3tuf.com

Phil Theis K3TUF

MEETINGS

Main meeting—October 11 at 7 PM, Holiday Inn, Lansdale.

T.I.T.S. meeting—The Trexlertown International Transmitting Society meets on Thursday, October 20, 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, October 25.

FRC Pizza Blast—Wednesday, December 28 at noon at the Crossroads Hotel, Hellertown, PA.

2011 FRC Fund Drive

The 2011 **FRC** Annual Fund Drive is now officially underway. This issue should contain a stamped envelope for your contribution. Here a few reminders when getting ready to make your annual contribution to help keep our club running

- 1) **PLEASE** make **ALL** checks payable to **FRANKFORD RADIO CLUB, and NOT N3RD.**
- 2) **PLEASE** write your return address and callsign on the envelope.
- 3) **PLEASE** write your callsign/callsigns on the check.
- 4) **PLEASE** seal the envelope.

If for some reason you don't get an envelope, or you misplace it, you can send your contribution to: Dave Hawes, N3RD, 143 Camp Council Road, Phoenixville, PA 19460

Current 2011 Contributors

AA2WN	AA3B	AB2IO	AF3I	K2BM	K2CJ	K2FL
K2GN	K2UT	K3ATO	K3BHX	K3FMQ	K3FT	K3JGJ
K3MD	K3ND	K3NL	K3OO	K3OOO	K3PH	K3SWZ
K3TUF	K3WW	K3YD	K4IKM	K9RS	KD3TB	KQ2M
KV2M	N1RK	N2BA	N2CQ	N2LT	N2NC	N2RM
N2TK	N2VW	N3AD	N3ED	N3KR	N3PUR	N3RD
N3RG	N3RW	N3VV	N3YW	N3ZA	N8NA	NA2U
NK3Y	NZ3O	W0MHK	W1GD	W2CG	W2GD	W2IRT
W2LE	W2OF	W2RD	W2REH	W2TV	W2UDT	W2YC
W2YR	W3BGN	W3CF	W3EA	W3FV	W3FVT	W3GK
W3KB	W3MF	W3MM	W3RAT	W3SOH	W3SQ	W8FJ
WA2TML	WA2VYA	WA3F	WA3RHW	WB3FIZ	WE3C	WQ3E
K2SG	K3II					

FRC MEMBER 2010-2011 CONTEST SCORES

Rank	Call sign	CQ SSB	CQ CW	ARRL SSB	ARRL CW	Total
1	K3WW	4,191,717	9,193,932	4,625,220	6,833,324	24,844,193
2	W2GD	8,599,764	12,900,090	798,405	1,365,984	23,664,243
3	AA3B	3,318,311	8,347,940	3,668,850	6,347,280	21,682,381
4	N3RS	4,054,988	5,975,000	2,864,019	3,620,356	16,514,363
5	W2OX	3,895,047		4,738,923	7,837,008	16,470,978
6	N3AD	2,177,684	3,281,580	6,145,398	4,628,412	16,233,074
7	W3BGN	3,755,706	5,425,764	3,200,000	3,150,000	15,531,470
8	AA1K	3,187,250	4,845,532	3,247,696	4,208,400	15,488,878
9	WE3C	3,868,044	5,196,274	2,666,186	3,132,812	14,863,316
10	N2NT	1,461,358	12,699,348			14,160,706
11	K2NG	3,601,728	5,177,934		4,915,080	13,694,742
12	N2MM	2,731,858	4,761,476	2,070,414	3,152,388	12,716,136
13	K3CT	1,934,022	6,500,000	2,179,611	1,566,406	12,180,039
14	W2RE	5,306,200	6,775,484			12,081,684
15	K9RS	3,168,744	4,481,920	1,596,810	2,731,968	11,979,442
16	N2LT	2,219,700	5,621,200		3,843,486	11,684,386
17	W1GD	2,287,996	3,658,620	2,561,310	2,784,500	11,292,426
18	K3MD	2,141,370	2,598,137	1,808,112	2,506,916	9,054,535
19	N3RD	2,027,494	2,987,500	1,421,401	1,810,178	8,246,573
20	K3PP	2,211,354	2,077,656	2,095,632	1,722,708	8,107,350
21	NN3Q	1,934,022	2,598,137	1,333,093	1,566,406	7,431,658
22	KF3B	1,934,022	2,598,137	1,333,093	1,566,406	7,431,658
23	K3VA	138,060	6,500,000	90,396	100,548	6,829,004
24	N2SR	2,027,494	2,987,500		1,810,178	6,825,172
25	W8FJ		2,987,500	2,023,544	1,810,178	6,821,222
26	N2TK			6,769,890		6,769,890
27	K3PH	821,594	4,095,166	701,374	844,740	6,462,874
28	W2IRT	2,085,508	149,730	2,134,513	1,409,634	5,779,385
29	K2DM	5,532,000		112,096	-	5,644,096
30	KQ3F	102,934	2,598,137	1,333,093	1,566,406	5,600,570
31	W3FV		2,598,137	1,333,093	1,566,406	5,497,636
32	K3IPK	851,816	1,433,224	1,070,648	2,018,250	5,373,938
33	NE3F	1,246,774	1,740,604	1,358,442	982,936	5,328,756
34	N3ZA	1,312,912	1,355,382	1,344,672	1,160,896	5,173,862
35	N2RM		2,684,294	1,064,920	1,422,584	5,171,798
36	KQ2M		2,319,288	2,081,564	769,488	5,170,340
37	W3CF	2,027,494	1,150,688	798,405	828,738	4,805,325
38	W2ID		3,412,458		1,365,984	4,778,442
39	K3ND	1,416,364	1,251,632	909,198	1,189,188	4,766,382
40	K2TW	1,877,853	2,712,882			4,590,735
41	W3KB	770,050	1,459,650	707,805	1,215,000	4,152,505
42	W2CG	1,068,936	1,848,117	1,216,792		4,133,845
43	N1IBM	1,188,267	1,110,720	1,177,209	599,808	4,076,004
44	N2VW	2,837,955	301,576	566,676	318,432	4,024,639
45	K3TEJ		858,688	1,566,405	1,566,406	3,991,499
46	W2LE	646,380	1,514,700	472,383	1,349,040	3,982,503
47	K2AX	897,890	2,264,192	796,060		3,958,142
48	W3EA	533,776	1,068,000	1,481,952	725,084	3,808,812
49	N3DXX	1,584,372		798,405	1,365,984	3,748,761
50	CX6VM		3,742,102			3,742,102
51	W2YC	508,744	1,125,705	607,747	1,411,587	3,653,783
52	AA2WN	508,744	1,125,705	607,747	1,411,587	3,653,783

FRC MEMBER 2010-2011 CONTEST SCORES

Rank	Call sign	CQ SSB	CQ CW	ARRL SSB	ARRL CW	Total
53	K2SG			2,134,272	1,518,678	3,652,950
54	N3MX	593,334	1,404,340	931,952	574,632	3,504,258
55	W2EN	534,468	1,848,117	608,396	431,576	3,422,557
56	WW2DX		3,387,742			3,387,742
57	K3OO	785,628	2,109,440	130,644	316,008	3,341,720
58	KQ3V	1,934,022		1,333,093		3,267,115
59	N2RJ	576,612	1,610,060	1,036,464	1,864	3,225,000
60	WB3FIZ		1,554,615	921,284	728,406	3,204,305
61	W3MF	1,643,188		1,402,748	150,960	3,196,896
62	W3CC	1,141,622	1,100,000	940,044		3,181,666
63	N2WKS	1,165,055	1,363,637		630,708	3,159,400
64	N1RK	448,945	1,317,788	609,710	755,380	3,131,823
65	AA3K	1,141,622	702,210	940,044	214,332	2,998,208
66	K3WI		2,987,500			2,987,500
67	NG3J	623,387	1,867,012		491,468	2,981,867
68	K3QF		2,430,000	524,535		2,954,535
69	W2WAS	2,837,955				2,837,955
70	WA2VYA	2,837,955				2,837,955
72	K3ZV	448,945	1,132,096	532,460	605,816	2,719,317
73	NQ3X	2,712,558				2,712,558
74	KD3TB	1,516,606	73,814	1,024,227		2,614,647
75	W2NO	741,600	1,848,117			2,589,717
76	K2TTT	1,165,055	1,363,637			2,528,692
77	K3ATO	953,931	870,302	679,221		2,503,454
78	W2RD	1,653,296	836,666			2,489,962
79	W6XR	537,856	1,118,580	659,610	124,968	2,441,014
80	WQ2N		2,411,756			2,411,756
81	K2CJ	250,476	1,181,592	425,436	553,456	2,410,960
82	N3RJ	672,316	1,036,406		555,264	2,263,986
83	K3NM	520,186	1,735,464			2,255,650
84	W0MHK	508,744	1,125,705	607,747		2,242,196
85	KA2NDX	508,744	1,125,705	607,747		2,242,196
86	K2GN	30,690	977,010	927,360	142,494	2,077,554
87	N3KR	448,945	1,132,096	398,030	2,800	1,981,871
88	N3RG	448,945	1,132,096	398,030		1,979,071
89	W2RDS	448,945	1,132,096	398,030		1,979,071
90	W7CT				1,810,178	1,810,178
91	NK3Y	387,000	326,476	624,834	450,288	1,788,598
92	W2YR	1,033,004	735,988			1,768,992
93	AB2E			450,000	1,093,176	1,543,176
94	W0BR	612,540	534,144		340,080	1,486,764
95	W2RQ	1,461,358				1,461,358
96	N2NC	1,461,358				1,461,358
97	K3FT	519,612		863,760		1,383,372
99	N3NA	185,000			1,166,908	1,351,908
100	N2ED			1,218,087	86,584	1,304,671
101	N3OW	623,387		679,221		1,302,608
102	K4IKM				1,263,860	1,263,860
103	N2CQ	508,744	231,956		478,626	1,219,326
104	NA2U	1,165,055				1,165,055

FRC MEMBER 2010-2011 CONTEST SCORES

Rank	Call sign	CQ SSB	CQ CW	ARRL SSB	ARRL CW	Total
105	K2SE		1,125,705			1,125,705
106	WA2TML	508,744		607,747		1,116,491
107	W3FW			640,628	385,920	1,026,548
108	N2BA		603,244		420,198	1,023,442
109	K2QPN	122,802	329,704		506,736	959,242
110	N3PUR			904,056		904,056
111	W3GK	259,128	608,638			867,766
112	W2MC	448,945		398,030		846,975
113	KC2TN	448,945		398,030		846,975
114	KC2NB	204,160	24,882	418,068	170,640	817,750
115	WA2VUY			798,405		798,405
116	WA2C	768,912				768,912
117	W3FVT	203,424	206,100	132,300	149,308	691,132
118	W3SQ	58,000	93,150	306,348	229,470	686,968
119	NT3V			679,221		679,221
120	N3BNA			524,535		524,535
121	N2AA				512,316	512,316
122	WA2VUN			497,952		497,952
123	NO2R	465,348			8,352	473,700
124	NW3H	138,284		303,534		441,818
125	W2VQ				319,656	319,656
126	K2BM		291,160			291,160
127	K3YD				287,316	287,316
128	N3NR	25,756	259,160			284,916
129	K3WGR			7,876	252,540	260,416
130	W3PA	242,634				242,634
131	W3IZ	109,072		6,912	109,350	225,334
132	KV2M			214,380		214,380
133	N3YW	157,060				157,060
134	AA3DF		152,452			152,452
135	K3SWZ			59,778	88,740	148,518
136	N2VM	10,040	109,828	15,300		135,168
137	K3TUF			9,486	116,202	125,688
138	AA3ZE	121,317				121,317
139	AB2IO			103,716		103,716
140	K3FMQ		80,256			80,256
141	N8NA				73,776	73,776
142	KC3WX			73,730		73,730
143	NQ3N	25,332	45,496			70,828
144	N3RW	40,014	5,364		11,550	56,928
145	K2UT			50,996		50,996
146	K3OOO	21,736		19,602		41,338
147	K3BHX	37,900				37,900
148	KD2HE				37,488	37,488
149	AF3I			16,704	19,008	35,712
150	W2UDT			32,632		32,632
151	WE3E				17,388	17,388
152	NY3C				15,452	15,452
153	W3TS				13,050	13,050
154	KD3RF				12,180	12,180
155	N9GG	1,430	7,800			9,230

Report missing/incorrect data to K3WW.

Reprinted from the ARRL Contest Update

If you are interested in the ongoing competition for WRTC 2014 positions, you should visit the [WRTC Rank](#) website! The qualification standings are based on claimed and final contest scores to help operators seriously interested in qualifying to WRTC2014 to track their scores and other competitors. The website has recently made some changes and improvements - take a look! Site manager Marek SQ2GXO reminds us that WRTC Rank is not an official site - [official scores](#) are maintained by WRTC 2014 committee member Dan K1TO.

DXCC Manager, Bill NC1L notes that dxcc@arrl.org is no longer in use. A number of [new e-mail addresses](#) will be used to insure that your email will be delivered to the most appropriate person depending upon the subject.

Be prepared when you get on for a busy contest weekend - if there are several contests active, print up some paper log sheets to record contact information from contests other than the one on which you're focusing. That way you can hand out points to everybody and probably add QSOs to your contest log, as well. After the contest, enter the QSOs into your computer log and generate a Cabrillo file by using the [LogConv](#) program from KA5WSS or other Cabrillo-friendly software. You may get an unexpected certificate for your troubles!

Tom K8AZ has some good advice for stack builders. Measure or frequency sweep the feed lines to be odd ¼-wave multiples. Make sure you include in the length any jumper from the tower to the antenna balun and the balun, too. When building feed lines, use coax off of the same spool.... and sweep it with an MFJ 259 or equivalent. Use identical baluns and make sure you know the phasing. Once installed, mark one side of the driven element (DE) with red tape so you'll be able to tell what the proper phasing is years later when you're likely to have forgotten. (Of course, you *do* keep a station notebook, don't you?) The point about including baluns in the ¼-wavelength is well taken - the phase shift through a balun is generally not specified and can be significant. If you want a specific electrical length of feed line between your transmitter and the antennas, be sure to include the *entire* feed line including baluns, PL-258 adaptors, jumpers, and so forth.

Peter PC2A points us to a good discussion of how to use one Beverage antenna at different frequencies by using [band-pass filters as a splitter](#). The VP6DX group used this technique and it worked very well! More on Beverage antennas is waiting for you on [Mike WØBTU's web site](#). Just about every question you have on Beverages is addressed.

You've probably heard that placing dissimilar metals in contact with each other promotes corrosion but which combinations are better or worse than others? The farther apart the metals are in the [Galvanic Series](#), the stronger the corrosion effects. The Corrosion Source website is full of good information about corrosion and how to prevent it.

There are lots of cookbook solutions to guy cable selection but if you really want to know the details, check out [K7NV's excellent engineering analysis](#). Each common type of guy cable is described and characteristics compared. Good stuff! (Thanks, Pete N4ZR)

Thanks to K6TD, the Cabrillo Statistics program originally developed by K5KA (SK) and now maintained by Bob N6TV, has just been ported to the Mac OS X environment. This program generates hour-by-hour rate sheets and valuable SO2R statistics from a Cabrillo-formatted file. It creates a simple text file that can easily be pasted into a reflector post. You may now [download](#) CBS version 10e for Windows, Mac OS X, and Linux. CBS Version 10e adds new support for NAQP-RTTY and CQ-WW-RTTY logs, as well as a number of bug fixes and minor improvements. This is a simple command line utility written entirely in C and is small enough to download from a slow dial-up connection (<100 kbytes). Please contact [N6TV](#) directly with a copy of your Cabrillo file if you run into any problems using the program.

If you do a lot of tower climbing or are otherwise interested in being trained in tower safety by professionals, check out this [class](#). (Thanks, Bob N6TV)

Hans, PA1HR has compiled a very [nice table of measurements](#) showing a comprehensive view of many transceivers evaluated in ARRL Product Reviews. Maybe this will help you win a few arguments at the meeting-after-the-meeting when the talk turns to rig performance! (Thanks, Glenn K6NA)

Reprinted from the ARRL Contest Updated

CQ WW 2010 logs have been processed by Stan EI6DX's [Analyser](#) and the results are now available for analysis and preparation for CWWW 2011. Comparing 2010 to 2009: SSB logs were on the rise (6182 vs 5706 in 2009) but CW submissions were down - 5342 vs 5522 in 2009 or 3.25% lower. Despite lower number of logs submitted 2010 CW broke the 70,000 QSOs per hour threshold for the very first time. This is the highest rate observed since logs became public in 2007. The winning hour was 15:00 on the first day when 70.449 QSOs were made. Learn more at the Analyser website!

When installing antennas on a mast, don't forget to leave a "rotator loop" in the feed lines to allow the antennas to turn without pulling on the cables! As Steve K7LXC points out, "There are two rotator loop methods. One has the cable(s) coming off the mast with 5-6 extra feet to just hang off the tower and follows the mast around as it turns. The other way is to loop the cable(s) 2-3 times around the bottom of the mast at the flat top of the tower 2-3 times. The cables sit on the tower top and allow lots of rotation. Either way works Fine Business."

Tony K1KP recommends a delta loop as a low-band antenna with vertical polarization but that does not need a good ground. "An equilateral triangle, apex up, fed ¼-wavelength from the top, will give vertical polarization. The bottom leg of the delta loop can be only a few feet off the ground and it provides the 'ground return' for the antenna. The impedance of a single loop is around 100 ohms and can be matched with an electrical quarter wave of 75-ohm coax."

***** New Atlantic Division Contest Advisory Committee Representative*****

The Contest Advisory Committee (CAC) was established by the ARRL Board for the purpose of investigating and advising on issues about contests that are referred to it by the Programs & Services Committee.

Mike Gilmer N2MG has served as our CAC representative for several years now. Most recently, Mike has become very busy at work and his work schedule wouldn't permit him to participate the way he would like to. I'd like to personally thank Mike for the time and effort he put forth in representing the Atlantic Division members on the CAC.

Charles (Chas) Fulp K3WW has been appointed as our new CAC representative.

Chas has been licensed since 1959 as KN3HTZ. He earned his license as a member of the Pennridge High School ARC. His first contest was in FD with the North Penn Amateur Radio Club in 1959, and began participating in CD parties and other ARRL contests by 1960. Chas has participated in the ARRL DX on CW every year since 1962, and he joined the **Frankford Radio Club** in 1965.

Although the **FRC** has been his primary club continuously since then, he is also a charter member of the RF Hill ARC, and he's done many Field Days with that group.

Chas has many great memories of contesting with his friends, and meeting many of them at Dayton. His favorite contests are CW/ DX events; however, he does participate in many SSB events, domestic contests, some RTTY, VHF, QSO parties and QRP events. He does have at least 1 clean sweep mug for each year since 1991.

He also tries to spend some time in one or two contests every weekend, and full time in 5 or 6 contests a year.

Please join Tom W3TOM and me in welcoming Chas **K3WW** to his new position and also thanking Mike N2MG for his past service.



THE FRANKFORD RADIO CLUB NEWSLETTER

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



Affiliated Club

The Frankford Radio Club

Club Officers

President, K9RS , Ray Sokola	215-257-2866	Email: k9rs@yahoo.com
Vice Pres, W2GD , John Crovelli		Email: w2gd@hotmail.com
Secretary, AA3K , Mark Kempisty	267-685-6303	Email: aa3k@arrl.net
Treasurer, N3RD , Dave Hawes.....		Email: n3rd@arrl.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 is held at the Holiday Inn in Lansdale between 7-9 pm on the second Tuesday of each month from September through May. 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