



THE FRANKFORD RADIO CLUB NEWSLETTER

PROFICIENCY THROUGH COMPETITION

CALENDAR

December 2003:

- 5-7 ARRL 160M Contest, CW
- 9 FRC Main Meeting, Phila**
- 9 Rexy Meeting B**
- 10 FRC NYC, 7:30 PM**
- 13-14 ARRL 10 Meter Contest
- 18 T.I.T.S. Meeting, Noon**
- 23 Rexy Meeting B**
- 27 RAC Canada Winter Test
- 30 FRC Pizza Blast, Noon**

January 2004:

- 3-4 ARRL RTTY Roundup
- 10-11 No. Amer. QSO Party, CW
- 13 FRC Main Meeting, Phila**
- 13 Rexy Meeting B**
- 15 T.I.T.S. Meeting, Noon**
- 17-18 No. Amer. QSO Party, SSB
- 24-25 CQ 160 Meter Contest, CW
- 27 Rexy Meeting B**

February 2004:

- 7 No. Amer. Sprint, SSB
- 7-8 Delaware QSO Party
- 10 FRC Main Meeting, Phila**
- 10 Rexy Meeting B**
- 14 No. Amer. Sprint, CW
- 19 T.I.T.S. Meeting, Noon**
- 21-22 ARRL DX Contest, CW**
- 24 Rexy Meeting B**
- 28-29 CQ 160 Meter Contest, CW

CHANGES

None this month

MEETINGS

Main Meeting

The main monthly meeting of the **Frankford Radio Club** will be held on Tuesday, December 9 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, December 18 at 12:00 noon. Location to be determined. Keep an eye on the **FRC** reflector for more info.

Rexy Meeting B

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

FRC NYC

There will be an **FRC** meeting in NYC on Wednesday December 10th from 7:30 to 9 pm at the Jerusalem II Pizza Restaurant 1375 Broadway between 37th and 38th street in Manhattan. Contact Zev Darack N2WKS (n2wks@arrl.net 973-202-9867) for directions or details.



FRC Pizza Blast

Come join an always lively group of **FRC**ers at the annual **FRC** Pizza Blast.



Date: Tuesday, December 30, 2003

Time: 12 Noon

Location: Cross Roads Hotel in Hellertown, PA. The Cross Roads is on PA Route 412 just south of I-78, a few miles south of Bethlehem.

Rick, **K300**, is the man with any additional info.

A Happy Tower Story

If you know Glen Ridge, then you'll appreciate this story:

Before you can do anything in this town, not only must it pass zoning, and the building inspector; if it can be seen from the street, you must present to the Historical Preservation Society (affectionately known as the Hysterical Society). Virtually the entire town is on the National Registry of Historic Places. In fact, the entire town is lit by authentic gas lights!

So I had to present my plan to the society when I wanted to put up a 40' crank-up tower and TH-35.

Six people went before me. Every one of them was denied.

One guy wanted to put a hexagonal window into the peak of the attic roof. Denied...hexagonal windows were not a "design element" when his house was built.

Another guy wanted a fence, because he had been robbed. Denied...it was ugly.

Even the bank was back. They had been denied before, because they wanted to replace their antique wooden door with a gray steel door. The bank said: "Hey, we're a bank, you shouldn't be able to break into a bank with a cordless drill and a wood bit." Now they were proposing a steel door with wood veneer. Denied. The bank said: "You can't tell it isn't a wooden door." The historical society said: "But WE know it isn't a wooden door."

In fact I was the only one that got permission. How did I do it?

Well, my house was built in 1928. I researched how many hams lived in Glen Ridge at the time. There were dozens. Then I found out what a "typical" ham antenna of 1928 would have looked like, just to be in keeping with the accurate historical design that would have been prevalent in the 1920's. I found pictures of houses on 1/4 acre lots with 200 foot wooden poles on each corner, with miles of wires strung between them. I offered to put up an historically accurate ham antenna. However, I suggested that, since my construction could be seen from New York City (15 miles away), and since they might get some complaints from other town members if they insisted on historical accuracy, I would be willing to install a more modern design, a 40 foot crank up at the side of my garage.

They decided they didn't know anything about antennas, and granted me permission. The only permission granted that day.

73, Brooke, N2BA

FRC 2003 COWW SSB Claimed Scores

Station	QSOs	Zones	Cntrys	Class	Score	Station	QSOs	Zones	Cntrys	Class	Score
A61AJ	13,281	193	776	MM	33,186,312	NE3F	2,111	136	504	MS	3,752,960
<i>Ops</i>	<i>A61AJ N2AA P43E PA5M S50A S50O S53A S53EO S53R S56MM S57AW S57HO S57UN S58M T97C</i>					<i>Ops</i>	<i>NE3F KB3GWY NT3V W3ZL</i>				
AA1K				A	2,767,360	NU2W	305	76	222	AA	245,254
AA3B	1,723	124	460	AA	2,834,736	NY3C				LA	40,082
AB1P				LA	5,152	P40W	6,875	137	510	AA	13,053,872
K2NG	2,080	161	590	AA	4,374,575	<i>Op</i>	<i>W2GD</i>				
K2OWE				AA	3,171,996	TI5N				MM	16,969,095
K3BSA				AA	475,396	<i>Ops</i>	<i>AG8G CX6VM K1EP KA7KUZ N3BNA TI5KD VE3RZ W8ILC W8QID WT8R ZP5MAL ZP5MZL</i>				
<i>Op</i>	<i>K3JLK</i>					V26B	11,465	147	545	M2	19,591,904
K3CP				AA	1,359,788	<i>Ops</i>	<i>KA2AEV N2ED N2KEN N3OC W2SN W2UDT</i>				
K3FMQ				A	117,469	V26DX	6,054			M2	7,381,906
K3GYS				LA	8,477	<i>Ops</i>	<i>KD3RF KD3TB KM9M W3CF</i>				
K3JG				A	535,283	V47DM	7,400	125	491	M2	11,742,736
K3MD	1,162	94	357	A	1,454,024	<i>Ops</i>	<i>AD4J K2DM K3ZM V44NK W4GKA W9NY</i>				
K3OOO	1,869	128	472	M2	3,180,968	V47KP				MM	10,450,000
<i>Ops</i>	<i>K3OOO K3OO W7TDC</i>					<i>Ops</i>	<i>K3NM W2OX</i>				
K3VA	365	50	142	A	188,352	VP5T				M2	9,200,000
K3WW	2,189	145	528	AA	4,095,205	<i>Ops</i>	<i>N2VW WA2VYA</i>				
KB3MM				AA	366,000	W2LE				A	212,296
KB3TS				A	587,330	W2RD	572	99	353	AA	726,816
KC1XX	7,816	177	729	MM	19,300,000	W2RDS	850	77	275	LA	833,536
<i>Ops</i>	<i>KC1XX K1DG K1EA K1GQ K3EST K6AW KC1F KP4WW W1FV W2RQ</i>					W2RE	3,139	139	522	AA	5,893,476
KQ2M	3,707	143	518	A	6,851,926	W2TV				AA	1,512,567
KU3X				AA	280,840	W2UP	1,032	89	319	AA	1,212,984
N1RK	1,180	109	397	AA	1,677,896	W2YR	861	117	395	AA	1,211,904
N2AB				AA	184,786	W3AP	497	74	216	A	388,310
N2EA				AA	968,745	W3BEN	118	37	77	A	35,112
N2LT				A	3,451,008	W3BGN	2,201	133	456	A	3,678,517
N2MM				AA	3,608,890	W3BYX	584	65	247	A	502,008
N2MR				A	1,220,000	W3CC				AA	677,460
N2NT	4,274	155	602	M2	8,996,188	W3EA				AA	734,558
<i>Ops</i>	<i>N2NT N2NC N4HY WW2Y</i>					W3FVT				AA	450,262
N2NU				MM	6,700,000	W3GK	924	88	317	A	1,044,495
<i>Ops</i>	<i>N2NU K2QM N2WKS</i>					W3GM	1,207	118	411	AA	1,786,962
N2SS				MS	800,000	<i>Op</i>	<i>K3ND</i>				
<i>Ops</i>	<i>N2SS N2MT</i>					W3IZ				A	40,810
N2VM				A	3,471	W3MF	1,493	124	436	MM	2,342,480
N3AD				MM	8,256,539	<i>Ops</i>	<i>W3MF K3PH</i>				
<i>Ops</i>	<i>N3AD AB3AH K3IPK K3ZV N3DXX</i>					W3PP				MM	7,741,377
N3KN	672	781	252	AA	602,072	<i>Ops</i>	<i>W3PP K3FT KD5FWN N3HUV N3KW N3ME N6ZO NW3Y W3QU WB4FDT WV8RS</i>				
N3KR	659	70	252	A	579,922	W3RJ				A	76,194
N3MX				AA	714,680	W8FJ				AA	126,363
N3NA	949	113	374	AA	1,312,465	WA2C				A	1,344,288
N3NR				A	841,796	WB3CIW				AA	800,384
N3QQ				AA	87,615	WE3C	4,051	157	591	MM	7,955,728
N3RJ	697	74	255	A	649,446	<i>Ops</i>	<i>WE3C KQ3V others</i>				
N3RS	5,399	165	647	M2	12,180,812	WK2W				LA	24,174
<i>Ops</i>	<i>N3RS KF3B KQ3F N3ED N3RD WA3LRO</i>					WP2Z	9,350	146	509	M2	14,189,265
N3RW				A7	5,733	<i>Ops</i>	<i>K3NZ N2TK W3FV</i>				
N3ZA	1,205	125	450	AA	1,940,625						
NA2U	1,288	122	426	AA	1,979,376						
NO2R	1,418	140	491	AA	2,502,546						
										FRC Total	207,403,768

FRC 2003 ARRL Sweepstakes CW Claimed Scores					FRC 2003 ARRL Sweepstakes SSB Claimed Scores				
Station	QSOs	Sect	Score	Class	Station	QSOs	Sect	Score	Class
W3BYX			40,320	SOLP	K3MD	770	78	120,120	SOH
N3KR			45,216	SOLP	N2RM	336	61	40,992	SOH
K3MD	652	79	103,016		<i>Op. N2NC</i>				
N2NT	1,245	79	196,710	SOH	N2NC	366	71	51,952	SOL
<i>Op. W2RQ</i>					K3WW	619	80	99,040	SOU
AA3B	1,141	79	180,278	SOH					
N2NC	712	78	111,072	SOLP					
N4HY	239	68	32,504	SOLP					
K3WW	804	79	127,032	SOU					
AB2E	612	78	95,472	SOU					

End of year funnies (i.e., I had some room)



"Okay your father managed to get a mouse. Now how do we use it?"



*Season's Greetings From
The Frankford Radio Club*





ARRL Sponsors BPL Gathering for Communications Professionals

The interference potential of Broadband over Power Line (BPL) to over-the-air radio services was the topic of an ARRL-sponsored meeting of 25 communications professionals November 7. The National Association of Broadcasters hosted the gathering at its headquarters in Washington, DC. "Listening to everyone introduce themselves and explain why they had come made the trip to Washington worthwhile all by itself," said ARRL CEO David Sumner, K1ZZ, who offered opening remarks and guided the discussion. Sumner showed excerpts from the ARRL BPL field test videos, which graphically demonstrate that BPL's interference potential at HF is real, not just theoretical.

During the meeting, representatives from the shortwave broadcasting, public safety, aeronautical and scientific communities joined amateur and amateur-satellite representatives to discuss the threat of BPL and possible avenues to combat its interference potential to licensed HF and low-VHF spectrum users. Military and consumer electronics representatives participated as observers. Coming the farthest was Chip Margelli, K7JA, who attended on behalf of the Yaesu Amateur Division of Vertex-Standard. ARRL General Counsel Chris Imlay, W3KD, reviewed the status of last April's FCC's Notice of Inquiry on BPL and noted that more than 5000 comments were filed with the Commission--most of them from Amateur Radio operators. Imlay said that proposed FCC rules changes could come as soon as early next year.

Imlay added that a number of non-amateur organizations support ARRL's position on BPL. Representing the National Association of Shortwave Broadcasters, George Jacobs, W3ASK, affirmed their strong support for the ARRL position.

ARRL Technical Relations Manager Paul Rinaldo, W4RI, provided a technical review of BPL. BPL delivery systems would use existing low and medium-voltage power lines to distribute Internet and other broadband services to homes and businesses.

Other points the group touched upon included:

- * BPL emission measurements by government agencies are under way, but the results have not yet been made public. The FCC denied an ARRL Freedom of Information Act request on the grounds that their test results represent work-in-progress.

- * A government representative observed that concerned groups should be wary of tying in the overused term "homeland security" with any anti-BPL campaign, since it could be spun back against BPL opponents.

- * Meeting attendees cited numerous and increasing instances of interference from Part 15 devices, suggesting that such instances only infrequently result in complaints to the FCC--and even less frequently in any FCC action.

A follow-up meeting may be held early next year if it becomes clear that the FCC intends to release a Notice of Proposed Rulemaking regarding BPL. Some attendees indicated a willingness to accompany ARRL representatives to meetings with federal officials to underscore that concerns about BPL are not confined to radio amateurs.

"It's apparent that concerns about BPL run very deep and include nearly every over-the-air radio service," Sumner remarked after the meeting. "Now we can work together much more effectively to express our concerns both inside and outside of government."--Derek Riker, KB3JLF, compiled information for this report



FCC Commissioner's Office Clarifies "Broadband Nirvana" Remarks

The office of FCC Commissioner Kathleen Q. Abernathy <<http://www.fcc.gov/commissioners/abernathy/>> has expressed regrets that her remarks in a September speech may have failed to make Abernathy's concerns sufficiently clear about potential interference from Broadband over Power Line (BPL).

"We regret that the Commissioner's remarks may have been interpreted as suggesting an absence of concern over harmful interference," said Abernathy Senior Legal Adviser Matthew A. Brill, responding to complaints from the ARRL and individual amateurs. From a policy perspective, Brill said, Abernathy is "keenly interested" in seeing multiple broadband platforms develop, but that she didn't intend to suggest that BPL "necessarily will emerge as a viable platform or that it does not present interference issues."

In her speech to the United Powerline Council's <<http://www.uplc.utc.org/>> annual conference September 22, Abernathy expressed unabashed enthusiasm for BPL and suggested it was a step along the pathway to "Broadband Nirvana." Brill noted, however, that near the end of her remarks, Abernathy--referring to the FCC's approach to PCS regulation--said the Commission was "right to adopt strict interference rules to prevent competitors from externalizing their costs. The same principle will apply to BPL."

Brill assured the ARRL that "ensuring that BPL and all new technologies avoid causing harmful interference to licensed RF users is a bedrock position for Commissioner Abernathy." He issued similar responses on Abernathy's behalf to several amateurs who had challenged her stance (see "ARRL Rebukes FCC Commissioner's BPL-Related 'Broadband Nirvana' Remarks" <<http://www.arrl.org/news/stories/2003/09/25/100/>>).

ARRL Chief Executive Officer David Sumner, K1ZZ, expressed delight at Abernathy's recent clarification. "Commissioner Abernathy's affirmation of this important principle as a 'bedrock position' is most welcome and reassuring news," he said. From the outset of the FCC's BPL Notice of Inquiry in ET Docket No. 03-104 last April, Sumner said, the League's goal has been to hold the FCC to its statement in the NOI that "each of these authorized services in the spectrum [including the Amateur and Amateur-Satellite services] must be protected from harmful interference." "Since that time the presence of harmful interference at BPL test sites has been thoroughly documented," Sumner noted, "confirming that our original concerns were well founded."

ARRL's extensive comments, reply comments and technical exhibits are available on the ARRL Web site <<http://www.arrl.org/tis/info/HTML/plc/>>. There are additional information and video clips on the ARRL "Power Line Communications (PLC) and Amateur Radio" page <<http://www.arrl.org/tis/info/HTML/plc/>>.

More than 5000 comments--many from the Amateur Radio community--have been filed in response to the FCC's BPL NOI and are available for viewing via the FCC's Electronic Comment Filing System (ECFS) <<http://www.fcc.gov/cgb/ecfs/>>.



Rohn Announces Asset Purchase Agreement

Amateur Radio and telecommunications industry tower manufacturer ROHN Industries <<http://www.rohnnet.com/>> has announced that it's entered into an asset purchase agreement with SPX Corporation <<http://www.spx.com/>>, a global, multi-industry company. ROHN filed September 16 for Chapter 11 (debtor-in-possession) relief in the US Bankruptcy Court for the Southern District of Indiana. The deal will include ROHN subsidiaries that are party to the bankruptcy proceeding.

"The asset purchase agreement provides for the sale of certain assets of the company and the affected subsidiaries to SPX Corporation for the amount of \$5,450,000," ROHN said in a news release.

Through its Broadcast and Communication Systems and Services division, SPX provides analog and digital TV and FM systems, high-frequency and medium-frequency antennas, transmission lines, towers and radio frequency filter systems for the broadcast market. SPX also is a major site developer for the PCS/cellular industry.

The bankruptcy court must approve the ROHN-SPX agreement. ROHN filed an amended motion with the court November 13 seeking the court's approval of the asset sale and authority to sell the assets "after an opportunity is provided for competitive bidding." A hearing to consider proposed bid procedures is scheduled for November 25, and the bidding auction is set for December 8. The bankruptcy court is to consider approval of the asset sale December 9.

In addition to its other products and services, ROHN manufactures towers, antenna support structures and "infrastructure equipment" for the telecommunications industry. Horace Ward is ROHN's chief executive officer. The company consolidated its manufacturing operations in Frankfort, Indiana, earlier this year.

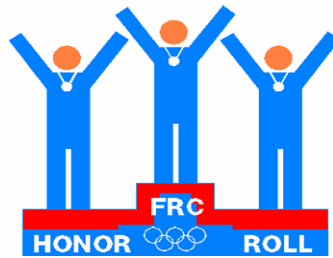
More information on the proposed deal with SPX is available on the ROHN Industries Web site <<http://www.rohnnet.com/>> (click on "Press Releases").

ARRL Invites Hiram Percy Maxim Memorial Award Nominations

The ARRL invites nominations of exceptional young Amateur Radio operators for the ARRL Hiram Percy Maxim Memorial Award. Nominations are due to ARRL section managers by March 31, 2004. The HPM Award goes each year to an enthusiastic and active amateur licensee aged 21 or younger whose contributions to Amateur Radio and to the community are of the most exemplary nature.

An ideal nominee may be involved in recruiting new hams through demonstrations as well as by example to his or her peers; on the air and/or public service activities; employing technical ingenuity to further Amateur Radio; public relations activities; and organizations on a local, state or national level.

The HPM Award winner receives an engraved plaque and a check for \$1500. Details are available on the ARRL Hiram Percy Maxim Memorial Award Web page <<http://www.arrl.org/FandES/field/awards/hpm.html>>, which includes a link to the nomination form. Those nominating HPM Award candidates should include their contact information and forward the form to their ARRL Section Manager <<http://www.arrl.org/sections/>>. Section managers also may nominate young hams for this award. For additional information, contact Jean Wolfgang, WB3IOS <jwolfgang@arrl.org>.



DECEMBER

CONDUCTED BY N2SS

2003

WARC BANDS

<u>30 Meters</u>	<u>17 Meters</u>	<u>12 Meters</u>
K2FL.. 327	K2FL...333	K2FL...325
N2TK324	N2TK 331	N2TK ..325
N2LT309	N2LT 329	N2LT 316
W3BGN301	W3CF 329	W3BGN ... 307
K2RW290	K2RW 320	K2RW 296
W8FJ284	W3BGN ... 321	N2SS 296
W2YC281	N2SS 318	W3CF 282
K2PS275	K2PS 294	K2PS 265
N2SS275	WA2VYA . 292	W3SOH ... 265
WA2VYA ..267	W2YC 289	W2YC 264
W3SOH223	W8FJ 286	WA2VYA. 261
K3II222	W3SOH 266	WT3W 258
W2LE205	WT3W 264	KS3F 232
W2UP204	N1RK 249	W8FJ 222
KS3F178	K3II 234	N1RK 221
K2BU175	W3OV 234	W2UP 206
AA2WN...164	W2UP 233	K3II200 N3RD
N3RD164	KQ3F 232	KQ3F 199
WT3W162	KS3F 215	W2YR 186
W3OV150	W2LE 196	N3KN 176
KQ3F141	W2YR 194	K2NJ 162
W2YR130	NZ3O 190	W2LE 161
NZ3O125	K2JF 168	W3OV 160
AB2E115	N3KN 147	NZ3O 151
K2JF112	K2NJ 145	K2JF 135
K2NJ97	K3ND 110	AB2E 85
N3KN85	AA2WN ... 102	K3PP 53
N2VW71	N2VW 65	K3GYS 30
N1RK69	AB2E 85	N2VW 27
K3PP68	K3GYS 83	AA2WN 19
W3CF55	K3PP 60	K2WJ 17
K2WJ28	K2WJ 40	KB3FEE 3
K3GYS8		
KB3FEE1		

Still looking for that undisputed
KING OF WARC

Rules for FRC Honor Roll Listings.

Provide me with your total IOTAs worked, or countries (including deleted) worked for: WARC Bands, 160 Meters, Digital modes, Mobile, 6 Meters or your total for 80,40,20, 15 and 10 for 1.5K Club. Countries do not count until HQ Awards Committee takes action and announces a start date for a new country.

160 Meters

W3BGN289	KS3F 129
AA1K282	WT3W 127
K2BU260	K2PS 102
WT3Q250	K2RW 92
N2LT239	W2YR 80
N2TK239	N2VW 77
K3NW228	W3CF 77
K3SX223	N2SS 76
W8FJ192	K3NL 70
W2UP180	K2NJ 59
K3JIG178	K3PP 59
NO2R176	N1RK 41
K3NZ171	KQ3F 41
W3OV163	KB3FEE 38
W2YC156	K2JF 34
N3RS156	W2LE 27
K3II148	AA2WN 25
K3NM146	NZ3O 13
WA2VYA144	K3GYS 12
K2FL140	W3SOH 12
K3ND133	K2WJ 3

W3BGN continues as the undisputed
Top of Top Band.

DIGITAL

W2UP335	W2YR 122
N2LT326	K2JF 113
K2PS275	W2LE 81
W3SB268	N2SS 51
K2RW231	WA2VYA 50
K2NJ221	N1RK 42
W2YC212	N2MR 28
N3KN165	KQ3F 23
AA2WN162	K3GYS 15
WT3W155	K2WJ 12
K3PP123	W8FJ 12



MOBILE DX

W2YC274	AA2WN 131
AA1K263	WT3Q 107
N2SS234	KB3FEE 48
N2MR196	K3PP 46
K2JF150	W2YR 21
K3GYS143	



1.5K Club

K2FL..... 1705	W3CF1403
W3BGN 1691	WT3W1395
N2TK 1685	K2NJ1383
N2LT 1658	W3SOH1378
W2UP 1649	K2JF1350
K2RW 1591	AA2WN1295
W8FJ 1577	N1RK1278
N3RS 1569	N2VW1258
K2BU 1550	WT3Q1162
W2YC 1511	K2WJ1161
K2PS 1509	W2YR1138
N2SS 1508	W3SB1132
NO2R 1489	W2LE1115
K3ND 1488	K3PP1110
N3RD 1472	K3NM1107
WA2VYA .. 1435	N3KN1065
KQ3F 1412	NZ3O945
KS3F 1407	KB3FEE231



Islands On The Air

K2FL..... 970	W3CF253
N2SS 776	NZ3O244
W3SOH 762	W2YR230
W2YC 533	K2WJ223
W8FJ 530	WT3W218
N1RK 527	K3GYS191
KS3F 319	KB3FEE23
N2VW 259	



6 METER DXCC

N2LT..... 102	K30060
AA1K 97	N1RK57
K2NJ 95	N2SS55
K2JF 94	W2YR41
K2PS 81	K3PP30
WA2VYA 75	K2RW36
WT3W 65	W2YC14
N3KN 61	



THE FRANKFORD RADIO CLUB NEWSLETTER

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



Affiliated Club

In This Issue

CQWW SSB SCORES

ARRL SS SCORES

TOWER STORY

NEWS

AND MORE!

**Deadline for January issue:
Sunday, December 28**

The Frankford Radio Club

Club Officers

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

Committee Chairman

Repeater, K3NL , Nick Leipold	610-449-8910
Packet, N3RD , Dave Hawes	610-935-2684
Activities, N3AD , Alan Donziger	610-519-7032
Awards, K2QM , Dan Marlow	609-683-5633
Membership	

Newsletter & Roster

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

Repeater

2 meters, 147.27/147.87
Output PL tone, 114.8

Home Page

www.gofrc.org

Meetings

Meetings are held on the 2nd Tuesday of each month (Sep through May) at 8 PM at the University of the Sciences, Philadelphia. Summer meetings are held at member homes (one Saturday/ Sunday per month).

Packet Cluster Contest/DX System

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

Telnet DX Cluster

k2ut.gofrc.org
k3ww.gofrc.org
w3frc.gofrc.org