



THE FRANKFORD RADIO CLUB NEWSLETTER

PROFICIENCY THROUGH COMPETITION

CALENDAR

June 2004:

- 8** **Rexy Meeting B**
- 17** **T.I.T.S. Meeting, Noon**
- 22** **Rexy Meeting B**
- 19-20 All Asia DX Test, CW
- 26-27 ARRL Field Day

July 2004:

- 1 RAC Canada Day Contest
- 10-11 IARU HF World Championship
- 13** **Rexy Meeting B**
- 15** **T.I.T.S. Meeting, Noon**
- 24-25 Russian RTTY WW Test
- 27** **Rexy Meeting B**

CHANGES

None this month

Deadline for the July issue:

Sunday, June 27, 2004

2003-2004 FRC Awards

The accompanying tables (below and page 3) lists the stations that have earned awards for the 2003-2004 season. These operators have all worked hard and made important contributions to **FRC**'s overall score. It is only fitting that these contributions be recognized in the form of plaques and or certificates. In my capacity as Awards Director, however, I can't help but notice the significant number of unclaimed awards, a phenomenon that my predecessors have also reported. As a former **FRC** Treasurer I know that the cost of the awards is significant (roughly \$1400 last year). To that end, I ask that you check the list. If you have wall space for your award, you should by all means have it. If, however, you don't have the space and don't want your plaque, please let me know (k2qm@arrl.net). If there is sufficient interest, I plan to have some **FRC** coffee mugs made up, which could be given to plaque winners in lieu of their awards. We might also consider giving these to Grand Slam winners instead of the certificates. The awards will be distributed at the summer meeting and also during the first meeting or two in the fall that I can manage to attend.

73, Dan K2QM
FRC Awards Director

Frankford Radio Club 2003/2004 Contest Season Awards

Award	Call	FRC Score
Top Gun	W2GD	29.3M
Big Gun	K3WW	20.8M
Top Ten	N2NT	20.5M
	KQ2M	18.4M
	K2NG	17.7M
	AA3B	17.5M
	W2OX	16.4M
	W3BGN	16.3M
	N2LT	15.8M
	AA1K	15.3M
	N3RS	14.5M

MEETINGS

T.I.T.S. meeting—The Trexlertown International Transmitting Society meets on Thursday, June 17 at 12:00 noon.
Location is the Hometown Diner on Route 222 in Trexlertown..

Rexy Meeting B—The Rexy's **FRC Meeting B** meets about 8 PM on the second and fourth Tuesdays of each month..

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2004 FRC Fund Drive

The 2004 **FRC** Annual Fund Drive is now officially underway. If you haven't yet made a contribution, there's still time. Please make your check payable to: "**Frankford Radio Club**"

If you didn't receive or misplaced your envelope, 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. ****



The following are members who've contributed to date:

**AA3B K2RW K3II K3ZV N2CQ N3KR NW3Y W2UDT W3GK
AD3Z K2SB K3JGJ KB3M N2LT N3NR NY3C W2YC W3KV
K2DM K2SWZ K3MD/N3PUR KB3TS N2MR N3RD NZ3O W2YR W3MA
K2FL K2TW K3ND KD2I N2MT N3RG W1GD W3AP W3MF
K2GN K2UT K3NL KD3TB N2NC N3RS W2CG W3BEN W3MM/W3RAT
K2NG K2WK K3NZ KF3B N2SS N3ZA W2GD W3BG W3OV
K2OW K3ATO K3OO/K3OOO KQ2M N2TK N9GG W2LE W3BGN W3SOH
K2PS K3BU K3PH KQ3F N2VW NC1A W2RE W3EA W4AA
K2QM K3CP K3WW KU3X N3BNA NO2R W2SN W3FV W8FJ
K2QMF K3CT K3YD N1RK N3KN (WAS WT3P) NQ3N W2TV W3FVT
WA2VYA WB3CIW WQ3E**

2004 FRC OPEN

This year's **FRC OPEN** golf tournament will be held on Tuesday June 22nd at the Southmoore Golf Club. Tee times start at noon. Sign up by sending an email to Rick, **K300** at rsaeger@fast.net no later than June 1. For details on the course check out www.southmooregolf.com. This is a FUN outing!



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Frankford Radio Club

2003/2004 Contest Season Awards

US MM **N3AD** 35.3M **N3AD** **AB3AH** **K3IPK** **K3MD** **K3ZV** **N3DXX** **N3RG**
 N3RS 30.5M **N3RS** **KF3B** **KQ3F** **K3WU** **N3ED** **N3NA** **N3RD** **WA3LRO** **W8FJ**
 W3PP 28.2M **W3PP** **K3FT** **KW3Z** **N3HUV** **N3KW** **NX3A** **NW3Y** **W3QU** **WB4FDT** **WK2W**

US MS **NE3F** 10.6M **NE3F** **KB3GWY** **KS3F** **K3ATO** **NT3V** **W3ZL**
 N3RS 9.8M **N3RS** **KF3B** **W8FJ**
 W3BGN 7.0M **W3BGN** **K2TW**

DX MM **V47KP** 30.8M **W2OX** **W2GD** **K3NM**
 WP2Z 14.2M **K3NZ** **N2TK** **W3FV**
 VQ5A 10.9M **KQ3V** **WE3C**

DX MS **PJ4G** 7.4M **K2NG** **K2QM** **K2TW**
 V26DX 4.7M **K2DM** **K3ZM**
 6Y6X 3.2M **N3DXX**

DX SO **P40W** 13.1M **W2GD**
 VY2ZM 10.5M **N2NT**
 V26K 8.67M **AA3B**

	Call		Year	Contest
1MEG	N3ZA	1.07M	2003	ARRL SSB
	W3CF	1.3M	2003	CQWW CW
	KD3CN	1.6M	2004	ARRL CW

Grand Slam

AA1K **AA3B** **K2NG** **K2OWE** **K2QM** **K2TW** **K3CP** **K3IPK** **K3JG** **K3MD** **K3ND** **K3NM** **K3NZ** **K300**
K3VA **K3WW** **K3ZV** **KB3MM** **KQ2M** **KQ3F** **KQ3V** **N2ED** **N2LT** **N2MM** **N2MR** **N2VM** **N2WKS** **N3AD**
N3BNA **N3DXX** **N3MX** **N3NA** **N3NR** **N3RD** **N3RJ** **N3RS** **N3ZA** **NA2U** **NE3FNN3Q** **W1GD** **W2CG** **W2EN** **W2GD**
W2LE **W2OX** **W2RD** **W2UP** **W3AP** **W3BEN** **W3BGN** **W3CF** **W3FV** **W3FVT** **W3KV** **W3PP** **W8FJ** **WE3C**

CONTESTING — TIPS, TECHNIQUES, RESOURCES

Reprinted with permission from the May 5, 2004 ARRL Contest Rate Sheet

Paul EI5DI wrote to say, "This is to let you know that all my loggers, both HF and VHF, are now freeware. They are written for single-op unassisted entries and support the major international contests and most European events. There are versions for HF and VHF contests, the IOTA Contest, DX-peditions, and the Commonwealth and UBA Contests. Paul is gradually replacing the DOS programs with Windows versions. The programs are available for download at: <http://www.ei5di.com> <<http://www.ei5di.com/>>. (Thanks, Paul EI5DI and Scott N4JN)

Eric K8LV has designed a 160/80-meter band-switching preamp aimed at low-band DXers and contesters, called the "Fish Lake Preamp". Along with the 20 dB nominal gain, these are reported to have a very high third-order intercept point (+35 dBm) and include a tunable band-pass filter at the input. Complete information is available at <<http://www.booksandtubes.com/K8LV.htm>>.

Don G3XTT (IOTA Contest Manager) reports that, "Thanks to Braco OE1EMS, we now have a compilation of all-time records for the IOTA contest. These can be found by following the IOTA Contest links on the RSGB HF Contests Web pages (<<http://www.rsgbhfcc.org/>>). The timing is excellent for deciding which category you want to enter in this year's event (24/25 July). Rules can be found at the same location. Any queries, corrections, etc. should be addressed directly to me (don@g3xtt.com) or to iotacontest@rsgbhfcc.org. For questions regarding the IOTA Awards Programme (as opposed to the contest), go to the main RSGB IOTA Web site at <<http://www.rsgbiota.org/>>.

Reprinted with permission from the May 19, 2004 ARRL Contest Rate Sheet

A Bit of a Stretch

(This is the text of a short presentation I made to the Town Hall Meeting forum at the Dayton Hamvention. While its tone is general, the message applies equally well to contesting.)

What is the biggest challenge facing ham radio? Some might say that it's BPL and CCRs, and while those are very important I would disagree. Some might say demographics and I'd say that they were close. The biggest challenge that we face today is outreach. There are two types of outreach.

First, "Inside Outreach" is hams reaching out to other hams across our internal party lines. The hobby has such a broad scope today that we can lose touch entirely with aspects outside of our own interests. It's far too common to hear, "I have nothing in common with them," 'them' being whoever your group is not. Are you kidding me? To anyone even slightly removed from ham radio, our differences are miniscule, yet we sometimes insist on magnifying our differences to ridiculous extremes. This must be avoided for it weakens us as a group and diverts our energies from attending to the health of the hobby.

Second, "Reaching Outreach" means hams reaching out to those who are not, making them aware of ham radio and presenting the hobby as an attractive and useful activity. Sometimes, we hide our light under a heavy bushel. This is partly due to the depth and breadth of the hobby. Unlike a generation ago, there is so much to ham radio that 24 hours a day is just not enough time to experience it all. Just ask our spouses. This very attraction pulls our focus inward, when we need to occasionally turn outward. In addition, many of us are better tinkers than salesmen and women. As a result, we slowly disappear from public view, into our own mythical radio Shangri-La.

When I started writing "Ham Radio for Dummies," I planned it to be a Desktop Elmer for new hams and licensing students - and this it certainly is. However, as I ferreted out information about the various niches of the hobby, I realized how much there was that I, a grizzled 30-year veteran, didn't know and of which I had been blissfully unaware. I also became aware as I worked with my non-ham editors of what a compelling story we have to tell. Not just of the days of yore and of radio pioneers, but of ham radio here and now.

CONTESTING — TIPS, TECHNIQUES, RESOURCES

If only it could be told straight up and not as stereotyped images. I realized that there are literally dozens of great and interesting stories that needed a vehicle to carry them. I hope that "Ham Radio for Dummies" is just the first of those vehicles.

Sure, I'd like to sell a copy to every ham. But I'd really like to sell you two - one to keep and one to give away to a neighbor, a co-worker, a niece or nephew, or maybe to your mayor or a news reporter. The "for Dummies" brand is a opportunity for ham radio to break out and be seen and heard by John and Jane Q Public and their 2.2 offspring. They won't see it if it's sitting on your radio shack's bookshelf.

"Ham Radio for Dummies" is only a tool. It must be used to be effective. The demographics of ham radio are clear. If we continue to fracture internally and waste our energy on divisive debates, ten years from now, this convention may be just a memory. But the demographics also point to the solution. Making a few reasonable assumptions, we can hold our numbers steady by recruiting just one new ham apiece every few years. Just one! If we can pull in two in the same period, ham radio will be back on an ascending flight path.

Don't sit back and wait for somebody else to do it. Don't fall into the trap of, "I paid my dues, let the ARRL do it." The ARRL is a powerful voice for ham radio, but people don't take up avocations because they like a national organization. If you can recall what got you into ham radio, it was probably seeing people like yourself having a good time and doing something useful and interesting. The future of ham radio depends on each of you.

"Ham Radio for Dummies" is a start. Of course, it's an opportunity for us to practice Inside Outreach and get back in touch with other parts of our hobby's family that we may not have visited with for a long time. More importantly, the familiar yellow-and-black cover gives us a Reaching Outreach presence on bookshelves and Web sites that we have never had before. I was fortunate enough to be in the right place at the right time to write it. The challenge for you is to find your own right places and times to use it.

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Work Wanted:

Experienced climber available to perform antenna and tower maintenance.

Remove/install antennas, repair feedlines, rotator replacements, guy wire renewal, expert tower painting, and new tower installations or replacement. Reasonable hourly rates.

Contact: John Crovelli W2GD

W2GD@hotmail.com

908 996 3043 (Home Office)



VHF Contesting by **John K3MD**

Each and every one of the members of the Packrats (Mt. Airy VHF Club) would object to VHF being considered a minor contest. They heavily promote the January VHF contest, and put a very big and winning station up on top of Camelback in the June contest.

I got interested in VHF though Bob, N3LL, in 1977. I graduated through the yagi/ tropo/ meteor scatter phase to 2 meter moonbounce, and made around 100 EME contacts (separate stations).

A good QSO number is around 200-400 contacts for the entire VHF contest. Rate is really not a consideration. Working stations on 220, 432, 1296 is, because this greatly increases multipliers. The big winners in the June contest are in the midwest, running one 6 meter yagi fixed on the East coast at 25 feet and one fixed on the West coast at 15 feet. The top EPA stations work a great deal of microwave.

The packrats maintain an extensive beacon system in downtown Philadelphia which is indispensable in testing your mast-mounted preamp setup.

W2SZ/1 is the largest multi, atop Mt. Greylock in Mass. Locally, K3YTL, the Murgas Radio club in Wilkes-Barre, operates limited multi (up to 432 only, no microwave activity).

The single operator winners in EPA make around 700 contacts.

VHF contesting is as hard as HF contesting in a different way. I was asked by KZ2S when he was ARRL contest manager which I thought was more challenging, I don't think that is a fair question.

You really have to be out in the country or you are going to wipe out channels 2 and 19 with your 6 and 2 meter kilowatts!

There are a lot of commercial beams ready for VHF now, but you can still go with wood and wire on 2 meters and 432 for little or no cost. Most hams use the N6NB designs, but multi-element quads are not difficult to make. Our local Pennsylvania company Lighting Bolt quads has an extensive 2 meter and 432 line for low cost. The new M2 designs for long-boom yagis are very popular, although they are quite expensive.

Henry makes off-the shelf kilowatts for 6 through 432. The two-tube jobs are really monsters, using floor-mounted transformers, the usual Henry style. K2RIW amps are great if you can find them. Most hams are running converted military surplus linears on 432. Converting an SB-220 to 6 is not difficult in any way, it will put out at least 400W on 6. Remember not to stand in the beamwidth of a KW on 2 or 432, you are WAY over the exposure limits!

VHF contest participation is way down, around 50 percent, for what reason is not clear, perhaps from all the no-code techs upgrading. Logs for the January VHF contest peaked at 1400 around 10 years ago, now down to 700.

There is a lot of E-skip in June, some in September, and none at all in January (usually). The best E opening I have heard was in the last 4 hours of the September contest, good coast-to-coast openings, some 2 meters. The January contest is for the VHF purists who love tropo. Pure watts, preamps, large number of elements, work them on all bands. Working W2SZ/1 on 1296 is a real thrill, 275 airline miles (CW). For tropo it really does not make that much difference if your antenna is 100 feet up or 20 feet up. F skip is out for 8 or more years. There have been fantastic F openings on 6 in the past 2 years. G's can now operate on 6 meters, rather than having to work you cross-band as in the 80's.

The new multi-band radios obviate the need for separate radios for each band. Please, do not run an IC-706, you are going to be very unhappy with the intermod.

73, CU on 2 SSB, John K3MD

BPL OFFICIAL DISPUTES NTIA REPORT IN CONGRESSIONAL HEARING

A BPL industry witness this week told a House Subcommittee on Telecommunications and the Internet hearing that the extensive National Telecommunications and Information Administration (NTIA) broadband over power line interference study draws "generalized conclusions," some of which are "inaccurate." Jay Birnbaum, vice president and general counsel of BPL provider Current Communications Group LLC <<<http://www.currentgroup.com/>>> was among those answering lawmakers' questions during the May 19 hearing, "Competition in the Communications Marketplace: How Convergence Is Blurring the Lines Between Voice, Video, and Data Services." ARRL CEO David Sumner called it "interesting" that a BPL spokesperson would try to downplay the significance of the NTIA's findings.

"Clearly, the report has the BPL industry worried--as well it should," Sumner said. "Anyone who gets past the introduction and actually reads the body of the NTIA study can only conclude that NTIA's findings are devastating to the case for BPL." Among other observations, the NTIA acknowledged that BPL signals "unintentionally radiate" from power lines, but said there's "substantial disagreement as to the strength of the emissions and their potential for causing interference to licensed radio systems." The subcommittee members questioning Birnbaum included Oregon Republican Greg Walden, W7EQI, one of two amateur licensees in the US House. Walden asked Birnbaum to address the BPL interference issues that the NTIA report and the amateur community have raised.

Birnbaum responded that he thinks interference concerns about BPL are unfounded and that the FCC agrees. BPL emissions from power lines, he asserted, are at very low levels and dissipate very quickly with distance. Current Technologies is field testing a BPL system in Potomac, Maryland and has a 50-50 partnership with Cinergy to deploy a full-blown BPL system in the Cincinnati area. The Maryland system employs the HomePlug Alliance standard, which notches all HF amateur bands except 60 meters.

The ARRL documented a visit to the Potomac test area on its Web site <<http://www.arrl.org/tis/info/HTML/plc/#Video> <<http://www.arrl.org/tis/info/HTML/plc/>>>. The Potomac site is identified as "Trial Area #1" under "Video showing results of ARRL testing in MD, VA, PA and NY." BPL interference heard outside amateur bands at the Potomac site sounds like severe, irregular pulse-type noise. Birnbaum also told Walden that BPL is "literally undetectable" tens of meters away, although he indicated that there's disagreement on the issue. Walden said he just wants the interference addressed technically--"especially driving under power lines."

The NTIA, which conducted measurements at three different BPL field trial sites, said that while radiated power "decreased with increasing distance," the decay was not always predictable. At one measurement location with a number of BPL devices, the NTIA said, "appreciable BPL signal levels (ie, at least 5 dB higher than ambient noise) were observed beyond 500 meters from the nearest BPL-energized power lines."

The NTIA study further calculated that interference "is likely" to mobile stations in areas extending to 30 meters and to fixed stations in areas extending to 55 meters from a single BPL device and the power lines to which it's connected. Interference to systems with "low to moderate desired signal levels," such as those common in ham radio, is likely within areas extending to 75 meters for mobiles and 460 meters for fixed stations, the NTIA study said.

Responding to a question from New Hampshire Republican Charles Bass, Birnbaum said the BPL industry would be pleased if Congress could provide tax or financial incentives, especially for improving the power grid. Birnbaum suggested that while utilities have been slow to act on BPL, they will begin to deploy BPL systems over the next year or two. The biggest issue, he said, is the incentive for utilities to invest in broadband technology.



<http://www.qsl.net/lz1jz>

20th Year



20th Year

JUNE 20TH YEAR 2004

Notes From Your Editor

Rain! It must be Dayton!! This year for the first time I did not fly out and back to Dayton. Instead I opted to ride out with K2SB and N2VW. I figured with that much time in the car together they would need a referee. Not only did they not need a referee, we had a great trip together both ways. Interestingly, when we got within 50 miles of Dayton on the way out, the rains came! Driving back on Sunday the sky finally cleared when we were about 100 miles out of Dayton. While the rain precluded me from walking the entire flea market as I do each year, it did not dampen things at the Hampton Inn or downtown in the Miami Room. It was also interesting to see the beginnings of the battle of the \$10K+ gorillas with Yaesu's introduction of their FT-DX9000 to compete with Icom's 7800.

Here's some Dayton coverage instead of DX this month.



K2BU, N3RD, N2VW, N3RS, N3ED, Mrs InRad Filters, W2VJN (Mr InRad Filters), N2SR, N3AD and K2SB enjoying dinner at the now traditional Thursday Dayton kick-off dinner at the Barnsider.



K3NM, W3BGN, N3AD, W3FV, K3NZ and K3OO enjoying refreshments before digging into the Hampton Inn's Friday night barbecue party. (Along with free breakfasts, the Hampton Inn supplies their Dayton Hamvention guests with a free barbecue dinner on the Friday evening. All that for \$100/night plus the camaraderie in the lounge still make the Hampton Inn the best FRC deal in town!)



How do you know you're in Dayton (besides the fact it is raining)? When someone walking around with a tower and antenna attached to the top of his hard hat doesn't seem to be out of the norm!



N2VW, K2BU, K2SB, your DX editor and N2SR enjoying Saturday night dinner at the Buckhorn Tavern. All agreed the steaks were even better than the Barnsider's this year.

I have a beautiful condition, late serial number (S/N 2782) Icom 781 for sale. This radio has seen only moderate, light duty use and is in excellent condition electrically and mechanically and except for a tiny mark next to the headphone jack is perfect cosmetically. The radio has the Sherwood Engineering cooling fan kit installed, an SSB wide filter in place of the AM filter, comes with a spare CRT, the Icom service manual and a dust cover. You'll have to look long and hard to find a better 781 than this one. I prefer to sell the package but will separate the radio from the options, if necessary. If you have serious interest, please contact me via the below.

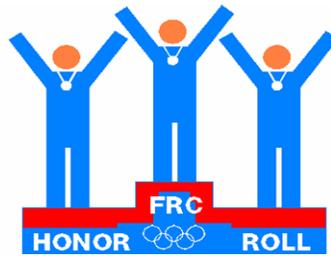
"S"pecial "S"alute

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 argargano@comcast.net



JUNE **CONDUCTED by N2SS** **2004**

WARC BANDS		
<u>30 Meters</u>	<u>17 Meters</u>	<u>12 Meters</u>
K2FL.. 329	K2FL...335	K2FL...326
N2TK324	N2TK 333	N2TK ..326
N2LT313	N2LT 331	N2LT 319
W3BGN305	W3CF 329	W3BGN ... 310
K2RW296	K2RW 324	K2RW 300
W8FJ286	W3BGN ... 323	N2SS 300
W2YC283	N2SS 319	W3CF 282
N2SS280	K2PS 294	W2YC 270
K2PS275	W2YC 292	K2PS 265
W2UP227	W8FJ 290	W2UP 237
K3II222	W2UP 274	N1RK 230
W2LE212	N1RK 253	W8FJ 226
N3RD208	KQ3F 240	KQ3F 213
AA2WN...171	K3II 237	K3II 202
KQ3F161	NZ3O 214	K2NJ 190
NZ3O150	W2LE 202	W2YR 186
W2YR130	W2YR 194	W2LE 176
AB2E118	K2NJ 179	N3KN 176
K2NJ113	K2JF 168	NZ3O 167
K2JF112	NA2U 162	NA2U 154
NA2U105	N3KN 147	K2JF 135
N1RK86	AA2WN ... 116	AB2E 92
N3KN85	AB2E 94	K3GYS 30
N2VW71	K3GYS 85	N2VW 27
W3CF55	N2VW 65	AA2WN 20
K3GYS17		W2CG 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.

<u>160 Meters</u>	
W3BGN291	K2PS 102
AA1K284	K2RW 93
N2LT244	W2CG 85
N2TK240	W2YR 80
K3SX223	N2SS 78
W8FJ195	N2VW 77
NO2R184	W3CF 77
W2UP183	K3NL 70
K3JG181	K2NJ 59
NA2U175	KQ3F 47
K3NZ172	N1RK 43
W2YC161	AA2WN 36
K3NM156	K2JF 34
N3RS156	W2LE 28
K3II149	NZ3O 13
K2FL141	K3GYS 12

W3BGN continues as the undisputed
Top of Top Band.

D T T Y DIGITAL	
W2UP335	W2YR 122
N2LT329	K2JF 113
K2PS275	W2LE 85
W3SB268	N2SS 53
K2RW266	N1RK 42
K2NJ235	KQ3F 26
W2YC221	K3GYS 15
AA2WN187	W8FJ 12
N3KN165	

MOBILE DX	
W2YC276	K3GYS 143
AA1K266	AA2WN 131
N2SS234	W2YR 21
K2JF150	

<u>1.5K Club</u>	
K2FL..... 1706	W3CF1403
W3BGN 1694	AA2WN.....1369
N2TK 1685	K2JF1350
N2LT 1676	NA2U1335
W2UP 1656	W2CG1305
K2RW 1610	N1RK.....1280
W8FJ 1588	N2VW1258
N3RS 1575	K3CT1177
W2YC 1522	W2LE1141
N2SS 1514	W2YR1138
K2PS 1509	W3SB1132
NO2R 1504	K3NM1107
N3RD 1492	NZ3O1069
KQ3F 1429	N3KN1065
K2NJ 1406	

Islands On The Air	
K2FL..... 971	NZ3O259
N2SS 793	N2VW259
W8FJ573	W3CF253
W2YC565	W2YR230
N1RK534	K3GYS202

6 METER DXCC	
N2LT 106	N1RK57
K2NJ 100	N2SS55
AA1K 97	K2RW42
K2JF 94	W2YR41
K2PS 81	W2YC16
N3KN 61	AA2WN15
K3OO 60	K3GYS10



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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Vice Pres, **W8FJ**, John Schrader 610-279-6097
Secretary, **K3ZV**, John Lindmeier.....215-632-2919
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Email: lindmeie@bellatlantic.net
Email: kq2m@earthlink.net

Committee Chairman

Repeater, **K3NL**, Nick Leipold 610-449-8910
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Activities, **N3AD**, Alan Donziger610-581-7032
Awards, **K2QM**, Dan Marlow 609-683-5633
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Email: kq3f@comcast.net

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
k3ww.gofrc.org 7300
w3frc.gofrc.org 7300