



# THE FRANKFORD RADIO CLUB NEWSLETTER

PROFICIENCY THROUGH COMPETITION

## CALENDAR

### August 2005:

- 6-7 North Amer. QSO Party, CW
- 9 Rexy Meeting B**
- 13-14 Worked All Europe Test, CW
- 13-14 MD-DC QSO Party
- 18 T.I.T.S. Meeting, Noon**
- 20 FRC Summer Mtg, K3ZV**
- 20-21 North Amer. QSO Party, SSB
- 20-21 New Jersey QSO Party
- 23 Rexy Meeting B**
- 27-28 YO HF DX Contest

### September 2005:

- 3-4 All Asian DX Contest, SSB
- 10-11 Worked All Europe Test, SSB
- 11 NA Sprint, CW
- 13 FRC Main Meeting, Phila**
- 13 REXY Meeting B**
- 15 T.I.T.S. Meeting, Noon**
- 17-18 Scandinavian Contest, CW
- 18 NA Sprint, SSB
- 24-25 CQWW DX Contest, RTTY
- 24-25 Scandinavian Contest, SSB
- 27 REXY Meeting B**

### October 2005:

- 1-2 Oceania DX Contest, SSB
- 1-2 California QSO Party
- 8-9 Oceania DX Contest, CW
- 8-9 Pennsylvania QSO Party
- 11 FRC Main Meeting, Phila**
- 11 REXY Meeting B**
- 15-16 Worked All Germany Contest
- 20 T.I.T.S. Meeting, Noon**
- 25 REXY Meeting B**
- 29-30 CQWW DX Contest, SSB**

## CHANGES

None this month

### Deadline for September issue:

Sunday, August 28, 2005

## President's Column

The results for the 2005 ARRL CW Contest are out and it looks like the **FRC** had some very nice results. I want to thank all 77 members who sent in their scores. Your time and effort resulted in the club's total score of 127,036,455. In that score are some noteworthy accomplishments. The **W3BGN** team won multi-single and **K3PH** won QRP. **KQ2M** and **N2NT** were #2 and #3 SOH, **K3WW** and **W2UP** were #2 and #3 SOA, **N3RS** was #2 M2, **V26G (N2ED)** was #2 DX SOA, and **V47Z (W2OX & K3TEJ)** were #2 DX M2. The total score for the YCCC is 141,036,455 (106 entries). So, we have about 14Mil to make up on phone if we are to win again this year.

I want to thank Dave, **N3RD**, for sponsoring the July meeting and cookout. Forty members were in the log along with about 12 wives. **K3IPK** won the raffle for the MFJ antenna analyzer. I hope to see many of you at the meeting at my house on August 20<sup>th</sup>.

The December meeting this year will be at the King of Prussia firehouse on December 10<sup>th</sup> from 11:00 to 3:00. This will allow for the families to go holiday shopping while the rest of us talk radio. Barry, **W2UP** will be giving us a talk about his experiences at the CW competition he attended in Macedonia.

73 – John – K3ZV

## Editor's Notes

I've made an attempt to put the **FRC US (DX later)** winners of the CQWW SSB and ARRL CW contests on page 4, but I'm terribly afraid I've missed someone(s). It's not personal, I just may not recognize a callsign. If I've missed anyone, please let me know and I'll fix it.

Also, do I have a volunteer to compile a list of **FRC** winners for the major contests (CQWW, ARRL DX and now ARRL 160)? It would lighten my load a bit and would help give recognition where it's due.

It's been awhile since I've mentioned paper vs. electronic newsletters, so let me make the pitch again. I understand that, for a variety of reasons, some may require a printed newsletter. There are no plans to change that. But I ask all **FRC** members receiving the newsletter by mail to look at the possibility of downloading the newsletter from the club's web site. The club can then use the dollars saved for other purposes.

73, Joe KQ3F

MEETINGS

Main Meeting in Philadelphia

RETURNS ON SEPTEMBER 13

Program: Station Automation by Sig, N3RS and Dave, N3RD



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

Summer Meetings

Saturday, August 20—John Lindmeier, K3ZV 1PM



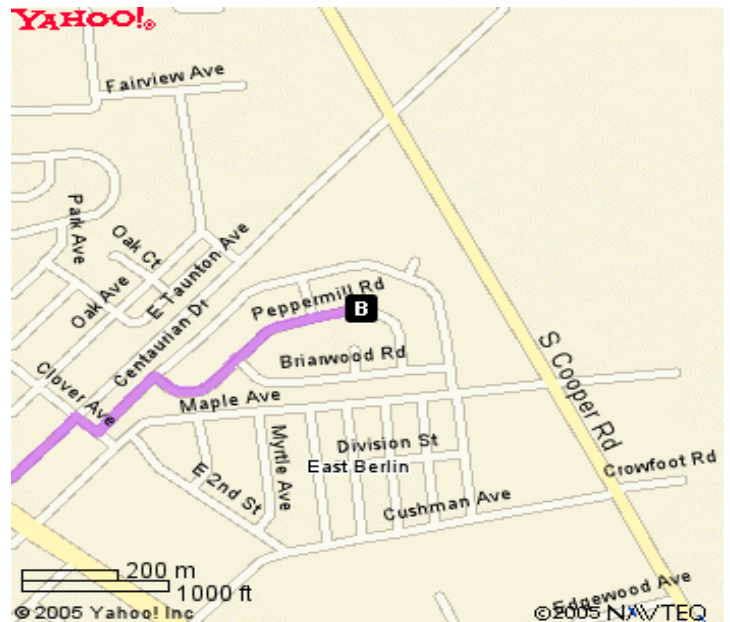
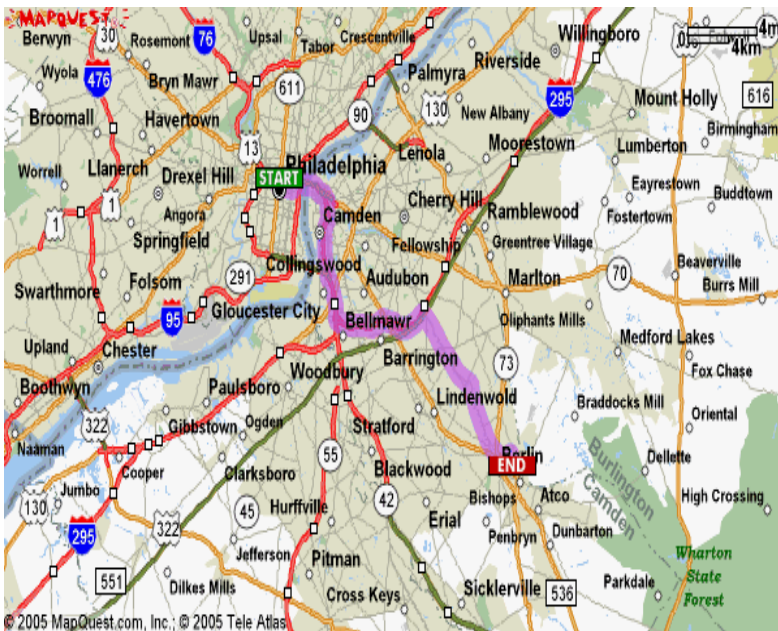
Address: 267 Peppermill Road, West Berlin, NJ 08091

From Points West, take Rt 73 south. About 5 miles south of the Marlton circle (intersection of Rt 73 and Rt 70) you will come to the intersection of Cooper Road and Rt 73. There is a Quick Lube on the left at this intersection.

Turn LEFT on Cooper Road. After the first stop sign at Taunton Ave, make a RIGHT on Chestnut Ave. Make a RIGHT on Centaurian Drive, then a QUICK LEFT on Briarwood Road, and then a QUICK RIGHT on Peppermill Road. The house is on the right.

In the map below, the street shown as Maple Ave is really Chestnut Ave.

John will have a 2 meter radio on the club repeater set up for directions if needed. Cell number is 609-605-1949



**Photos from July meeting at N3RD (thanks to W2YR and K3WW)**



## 2005 FRC Fund Drive

This is probably a good time for a few reminders when getting ready to make your annual contribution to help keep our club running...

- 1) **PLEASE** write your return address and callsign on the envelope.
- 2) **PLEASE** write your callsign/callsigns on the check.
- 3) **PLEASE** seal the envelope.
- 4) **PLEASE, PLEASE, PLEASE** make ALL checks payable to **FRANKFORD RADIO CLUB, and NOT KQ2M.**

Each year quite a few people forget to do at least one of the above and we lose some contribution checks. Also, some people make a much-needed contribution but then do not receive credit for making it. Clearly no one wants that, so **PLEASE** take a few extra seconds to make sure that you follow #1 - 4 before you mail the envelope.

Thanks for listening and for your contributions!

### Contributors as of July 23, 2005

AA1K/AB1P/KB3FEE	K3AT0	K3ZV	N3KR	W2RD
AA2WN	K3BU	KB3MM	N3NR	W2RDS
AA3B	K3CP	KC3WX	N3RD	W2REH
AD3Z	K3CT	KD2RE	N3RW	W2TV
K2DM	K3FMQ	KQ2M	N3ZA	W2UDT
K2FL	K3II	KQ3F	N9GG	W2UP
K2GN	K3JGJ	N1RK	NO2R	W2YC
K2JF	K3ND	N2LT	NQ3N	W2YR
K2NG	K3NL	N2MR	NW3Y	W3AP
K2OWE	K3NZ	N2TK	NY3C	W3BGN
K2PS	K3OO/K3OOO	N2VW	NZ3O	W3KV
K2QM	K3PH	N3DXX	W1GD	W3CF
K2SB	K3TEJ	N3ED	W2CG	W3EA
K2TW	K3WW	N3GNW	W2GD	W3FV
K2UT	K3YD	N3KN	W2LE	W3FVT
KD3TB	K2SG			K3CY

### FRC Contest Award Winners (US only, DX next time)

(please email editor with additions/corrections)

#### 2004 CQWW SSB

KQ2M	#10 World (#2 US) SOAB
AA1K	#7 US SOAB
W3BGN	#8 US SOAB
N3RS	#2 US M/2
N2RM	#1 2nd call area SOAB
K3OO	#1 US SOA
K3WW	#3 US SOA
K2NG	#5 US SOA
KQ3F	#1 3rd call area M/S
W3MF	#2 3rd call area M/S
N3AD	#1 3rd call area M/M

#### 2005 ARRL CW

KQ2M	#2 US SOAB
N2NT	#3 US SOAB
AA1K	#5 US SOAB
N2LT	#9 US SOAB
K3PH	#1 US SO QRP
K3WW	#2 US SOA
W2UP	#3 US SOA
K2NG	#4 US SOA
AA3B	#6 US SOA
W3BGN	#1 US M/S
N3RS	#2 US M/2
N3AD	#10 US M/M

# CONTESTING — TIPS, TECHNIQUES, RESOURCES

*Reprinted with permission from the July 13, 2005 ARRL Contest Rate Sheet*

Randy K5ZD announces that there is a new release of the Super Check Partial database files available individually or as a zipped file at <http://www.k5zd.com/scp/>. These were available just before the IARU HF contest and additional releases will be made prior to the fall's major events. This set of files was based on 2,691,738 QSOs from 1,881 logs and the data set contains 111,266 unique calls. The master.dta file now contains a record high 39,159 calls. To add your logs to the database send your Cabrillo files to k5zd@contesting.com.

Google's opening of the programming interface to their maps is already bearing fruit for the ham community. Check out <http://maps.dxers.info/gmap/> (Thanks, John W1RT)

One of the regional editors for the upcoming ARRL DX Phone contest results discovered a couple of SO-All Band scores in their Division whose owners originally reported SO-Assisted as their category. Rather than nefarious contest evil-doing, this turned out to be a simple matter of misconfigured software. Be sure that you properly set all the necessary options for your software so that your category is correct in the Cabrillo file's header. The defaults built in to the software may not be correct! The log-handling robot doesn't know any better, either. Double check to make sure you and others submitting logs get the proper credit for your efforts.

Jay WX0B has placed a Rohn - Nello cross reference list on the Array Solutions Web site at

[http://www.arrayolutions.com/nellocross\\_reference.htm#top%20of%20page](http://www.arrayolutions.com/nellocross_reference.htm#top%20of%20page). It is also available from the AN Wireless web-site at <http://www.anwireless.com/nello.html>. The catalog for Nello, the owners of the Rohn brand, is on-line at <http://www.nelloinc.com/>. Download the N-Series catalogs for the 25,45,55, and 65 series of amateur and commercial towers. AN Wireless and Array Solutions were named the exclusive Nello stocking dealers.

The excellent antenna forum presentation by ON4UN, W1MK and ON6WU given at Dallas HamCom and at Dayton 2005 has been made available on the Web thanks to John ON4UN and George K5TR. Go to

<http://www.k3lr.com/>. Click on Dayton Antenna Summary 2005. Click on Dayton Antenna Forum 2005. Click on Dayton Antenna Form and download the PDF file, A New Feed System for Arrays. (Thanks, Tim K3LR)

There is an excellent summary Web site full of links and references for testers at

<http://www.ng3k.com/Contest/index.html>. This is a good page to give out to new testers as a reference Web site.

MasterBooter is a boot manager that can be used to install and maintain more operating systems on a PC without the hassle of boot disks. This may be a solution for those who want to use a DOS-based contesting program with their Windows OS PC. System names and passwords are customizable and there are a number of powerful configuration options. It supports Win9x/ME/NT/2000/XP/2003, DOS, Linux, OS/2, BeOS, Solaris, FreeBSD and more. Check it out at <http://www.masterbooter.com/>. An alternate freeware program is GAG (not a joke) at <http://gag.sourceforge.net/>. The procedure at <http://www.k1ea.com/hints> "Dual-boot 'Real' DOS on Windows XP" explains (somewhat indirectly) what GAG and MasterBooter do. (Thanks, Jim K1PX and Mark KD4D)

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



## CONTESTING — TIPS, TECHNIQUES, RESOURCE

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One of the more involved jobs to do on towers is to lower a mast with antennas attached that are unreachable from the tower. This can be tricky and there is plenty of opportunity for things to go wrong. Dave K1TTT contributes a good process for getting the job done while minimizing safety hazards:

1. Keep hands and feet clear of the mast (or where it might fall) at all times.
2. Make sure thrust bearings are tight, add a muffler clamp or two above one of the thrust bearings just in case they don't hold.
3. Remove the rotator.
4. Attach a come-along to bottom end of mast and the top of the tower.
5. Make sure wires taped to mast are out of the way and be prepared to move any beam up on the mast so that it won't jam the mast.
6. Tighten come-along until it removes weight from thrust bearings.
7. Move muffler clamps up a foot or so and retighten.
8. Loosen thrust bearings.
9. SLOWLY lower the mast with the come along until the muffler clamps rest on the thrust bearing again. If at any time the mast doesn't move down as you release the come-along immediately pull it back up with the come-along and figure out why it wasn't moving. Do not let the come-along have any slack in its cable!
10. Tighten thrust bearings.
11. Readjust come-along position if needed to allow next lowering step.
12. Repeat 5 through 11 as many times as needed to lower the mast

Take it slow and easy - it's not a race!



### 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.

Make your tower look "like new" this year with a fresh coat of paint.

Reasonable hourly rates and scheduling that meets your needs.

Contact: John Crovelli W2GD

w2gd@hotmail.com

(908) 996 3043

### **FCC Proposes Dropping Morse Code Requirement**

The FCC has proposed dropping the 5 WPM Morse code element as a requirement to obtain an Amateur Radio license of any class. The Commission included the provision in a July 19 Notice of Proposed Rule Making and Order (NPRM&O) in WT Docket 05-235, but it declined to go along with any other proposed changes to Amateur Service licensing rules or operating privileges. Dropping the Morse code requirement or any other changes to Part 97 would not become final until the Commission gathers additional public comments, formally adopts any new rules and concludes the proceeding with a Report and Order specifying the changes and an effective date. That's not likely to happen for several months.

"Based upon the petitions and comments, we propose to amend our amateur service rules to eliminate the requirement that individuals pass a telegraphy examination in order to qualify for any amateur radio operator license," the FCC said. The NPRM&O consolidated 18 petitions for rule making from the amateur community. Several petitioners simply asked the FCC to drop the Morse requirement, but some--including the ARRL--also proposed a wide range of additional changes to the amateur rules. The FCC said the various petitions had attracted 6200 comments from the amateur community, which soon will have the opportunity to comment again--this time on what the FCC calls "our tentative conclusions" in its NPRM&O.

The Commission said it believes dropping the 5 WPM Morse examination would encourage more people to become Amateur Radio operators and would eliminate a requirement that's "now unnecessary" and may discourage current licensees from advancing their skills. It also said the change would "promote more efficient use" of amateur spectrum.

To support dropping the code requirement, the FCC cited changes in Article 25 of the international Radio Regulations adopted at World Radiocommunication Conference 2003. WRC-03 deleted the Morse testing requirement for amateur applicants seeking HF privileges and left it up to individual countries to determine whether or not they want to mandate Morse testing. Several countries already have dropped their Morse requirements for HF access.

ARRL CEO David Sumner, K1ZZ, said he was not surprised to see the FCC propose scrapping the code altogether, although the League and others had called for retaining the 5 WPM requirement for Amateur Extra class applicants. Sumner also expressed dismay that the FCC turned away proposals from the League and other petitioners to create a new entry-level Amateur Radio license class.

"We're disappointed that the Commission prefers to deny an opportunity to give Amateur Radio the restructuring it needs for the 21st century," he said. "It appears that the Commission is taking the easy road, but the easy road is seldom the right road." Sumner said ARRL officials and the Board of Directors will closely study the 30-page NPRM&O and comment further once they've had an opportunity to consider the Commission's stated rationales for its proposals.

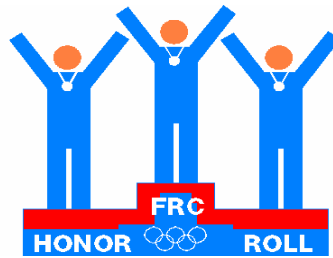
In 2004, the League called on the FCC to create a new entry-level license, reduce the number of actual license classes to three and drop the Morse code testing requirement for all classes except for Amateur Extra. Among other recommendations, the League asked the FCC to automatically upgrade Technician licensees to General and Advanced licensees to Amateur Extra. In this week's NPRM&O, the FCC said it was not persuaded such automatic upgrades were in the public interest.

The FCC said it did not believe a new entry-level license class was warranted because current Novice and Tech Plus licensees will easily be able to upgrade to General once the code requirement goes away. The Commission also said it already addressed some other issues petitioners raised in its "Phone Band Expansion" (or "Omnibus") NPRM in WT Docket 04-140.

The NPRM&O is on the FCC Web site <<[http://hraunfoss.fcc.gov/edocs\\_public/attachmatch/FCC-05-143A1.pdf](http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-05-143A1.pdf)>> A 60-day period for the public to comment on the NPRM&O in WT 05-235 will begin once the notice appears in the Federal Register. Reply comments will be due within 75 days.







**AUGUST**                      **CONDUCTED by N2SS**                      **2005**

**WARC BANDS**

<u>30 Meters</u>	<u>17 Meters</u>	<u>12 Meters</u>
<b>K2FL .. 332</b>	<b>K2FL...335</b>	<b>N2TK ..328</b>
N2TK .....328	<b>N2TK ..335</b>	K2FL..... 326
N2LT .....318	N2LT ..... 332	N2LT..... 321
W3BGN ....313	W3CF ..... 331	W3BGN... 313
K2RW .....296	W3BGN ... 326	W3CF ..... 303
W2YC .....296	K2RW ..... 324	N2SS..... 302
N2SS .....288	N2SS ..... 320	K2RW ..... 300
W8FJ .....287	K2PS ..... 302	W2YC ..... 273
K2PS .....281	W2YC ..... 300	K2PS..... 268
W2UP .....248	W2UP ..... 293	W2UP ..... 247
N3RD .....240	W8FJ ..... 291	W8FJ ..... 228
N2MM .....233	N2MM..... 268	N1RK..... 218
K3II .....229	N1RK ..... 253	KQ3F ..... 215
W2LE .....212	KQ3F ..... 245	K3II ..... 202
NZ3O .....188	K3II ..... 240	N3KN ..... 191
KQ3F .....182	NZ3O ..... 233	K2NJ ..... 190
AA2WN...171	W2LE ..... 202	NZ3O ..... 188
W2RQ .....144	W2YR ..... 202	W2YR ..... 187
AB2E .....132	K2NJ ..... 179	N2MM ..... 185
W2YR .....132	K2JF ..... 168	W2LE ..... 176
K3CT .....126	N3KN ..... 168	NA2U ..... 154
N3KN .....119	NA2U ..... 162	K2JF ..... 135
K2NJ .....113	W2RQ ..... 142	AB2E ..... 92
K2JF .....112	K3ND ..... 119	K3CT ..... 76
NA2U .....105	AA2WN ... 116	W2RQ ..... 62
N1RK .....97	AB2E ..... 114	K3GYS ..... 30
K3ND .....76	K3CT ..... 91	N2VW ..... 27
N2VW .....71	K3GYS ..... 85	AA2WN ..... 20
W3CF .....61	N2VW ..... 65	W2CG ..... 1
K3GYS .....17		

K2FL and N2TK still duking it out for that elusive, 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**

<b>W3BGN .....293</b>	K2PS ..... 106
AA1K .....287	K2RW ..... 93
WT3Q .....254	AB2E ..... 90
N2LT .....248	W2CG ..... 85
N2TK .....244	W2YR ..... 81
K3SX .....229	N2SS ..... 79
NO2R .....216	NA2U ..... 78
W8FJ .....207	N2VW ..... 77
K3JIG .....190	W3CF ..... 77
W2UP .....186	K3NL ..... 70
N2MM .....182	K3CT ..... 63
K3NZ .....172	K2NJ ..... 59
W2YC .....171	NZ3O ..... 55
K3NM .....156	KQ3F ..... 54
N3RS .....156	N1RK ..... 42
K3II .....149	AA2WN ..... 36
K2FL .....143	K2JF ..... 34
K3ND .....136	W2LE ..... 28
W2RQ .....123	N3KN ..... 28
.....	K3GYS ..... 12

W3BGN continues as the undisputed Top of Top Band.

**Digital**

<b>W2UP .....335</b>	W2YR ..... 139
N2LT .....332	K2JF ..... 113
K2PS .....285	W2LE ..... 85
K2RW .....266	KQ3F ..... 78
W2YC .....242	N2SS ..... 53
K2NJ .....235	N1RK ..... 39
AA2WN .....187	K3GYS ..... 15
N3KN .....179	W8FJ ..... 12

**MOBILE DX**

<b>W2YC .....276</b>	K3GYS ..... 143
AA1K .....270	AA2WN ..... 131
N2SS .....234	W2YR ..... 21
K2JF .....150	

**1.5K Club**

<b>K2FL..... 1708</b>	K3ND .....1496
<b>W3BGN .... 1696</b>	KQ3F .....1446
<b>N2TK ..... 1688</b>	K2NJ .....1406
<b>N2LT ..... 1684</b>	W3CF .....1403
<b>W2UP ..... 1659</b>	AA2WN .....1369
<b>W2RQ ..... 1623</b>	K2JF .....1350
<b>K2RW ..... 1610</b>	NA2U .....1335
<b>N3RS ..... 1597</b>	W2CG .....1305
<b>W8FJ ..... 1593</b>	N1RK .....1287
<b>K3II ..... 1573</b>	N2VW .....1258
<b>W2YC ..... 1542</b>	K3CT .....1229
<b>NO2R ..... 1525</b>	W2YR .....1148
<b>N2MM ..... 1524</b>	W2LE .....1141
<b>N3RD ..... 1521</b>	N3KN .....1111
<b>N2SS ..... 1520</b>	K3NM .....1107
<b>K2PS ..... 1516</b>	NZ3O .....1088
.....	AB2E .....1074

**Islands On The Air**

<b>K2FL..... 989</b>	NZ3O .....317
N2SS ..... 813	N2VW .....259
W2YC ..... 604	W3CF .....253
W8FJ .....592	W2YR .....234
N1RK .....540	K3GYS .....215

**6 METER DXCC**

<b>N2LT..... 106</b>	N2SS .....55
K2NJ ..... 100	N3KN .....52
AA1K ..... 98	K2RW .....42
K2PS ..... 96	W2YR .....41
K2JF ..... 94	W2YC .....19
K3SX ..... 75	AA2WN .....15
K3OO ..... 71	K3GYS .....10
N1RK .....57	N2TK .....8



# THE FRANKFORD RADIO CLUB NEWSLETTER

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



Affiliated Club

## The Frankford Radio Club

### Club Officers

President, **K3ZV**, John Lindmeier .....856-768-5348  
Vice Pres, **N3DXX**, Art Hitchens .....  
Secretary, **W2RDS**, Rick Stoneking..... 609-265-0885  
Treasurer, **KQ2M**, Bob Shohet.....203-270-8456

Email: k3zv@hotmail.com  
Email: art19703@yahoo.com  
Email: w2rds@arrl.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, **W2RDS**, Rick Stoneking..... 609-265-0885

Email: kq3f@comcast.net  
Email: w2rds@arrl.net

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

**Home Page** - [www.gofrc.org](http://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  
144.930 W2JT  
144.950 K3ZV  
145.010 N3ED  
145.530 K3WW  
145.530 AA1K  
145.570 WT3Q  
145.570 K2TW  
145.590 N2NT  
145.650 K2TD  
145.670 W3PP  
145.730 N2BIM  
147.495 W3MM

## Telnet DX Cluster

k2ut.gofrc.org  
k3ww.gofrc.org 7300  
w3frc.gofrc.org 7300