



THE FRANKFORD RADIO CLUB NEWSLETTER

PROFICIENCY THROUGH COMPETITION

CALENDAR

February 2007:

- 3-4 Delaware QSO Party
- 4 North America Sprint SSB
- 10-11 CQ WPX Contest, RTTY
- 11 North America Sprint CW
- 13 FRC Main Meeting, Phila.**
- 13 Remy Meeting B**
- 15 T.I.T.S. Meeting, Noon**
- 17-18 ARRL DX Test, CW**
- 24-25 CQ 160M Contest, SSB
- 27 Remy Meeting B**

March 2007:

- 3-4 ARRL DX Test, SSB**
- 13 FRC Main Meeting, Phila.**
- 13 Remy Meeting B**
- 15 T.I.T.S. Meeting, Noon**
- 17-18 Russian DX Contest
- 24-25 CQ WPX Contest, SSB
- 27 Remy Meeting B**

April 2007:

- 8-9 Japan Intl. DX Test, CW
- 10 FRC Main Meeting, Phila.**
- 10 Remy Meeting B**
- 19 T.I.T.S. Meeting, Noon**
- 22-23 Florida QSO Party
- 24 Remy Meeting B**
- 29-30 Helvetia Contest

CHANGES

None this month

Deadline for March issue:

Sunday, February 25, 2007

President's Column

The second leg of the contest season is upon us with the ARRL DX contest taking place the third weekend in February and the first weekend in March. I will be on for the CW contest but will miss the SSB contest due to some business travel I need to do that weekend. This will be the first time since I joined the club that I will miss a contest weekend. I know that the club will put in its usual great effort. I hope everyone has fun in the contest and we bring in another great score.

Nominations for club officers will take place at the February meeting. **KQ2M** has agreed to run for treasurer again. I will be stepping down as president but will be running for secretary. We will need nominations for president and vice president. This is a great opportunity for someone with strong feelings about the direction of the club to step forward. If you have an interest in the management of the club, please step up to the plate.

I want to thank Nick, **K3NL**, for his work getting the repeater repaired. Hopefully, by the time you read this, the repeater will be back on 147.27. I plan to be active on it once it is back in service.

73 - John - K3ZV



FRC ARRL DX CW DXPeditions

WP2Z by K3CT and K3TEJ

KP2/K3MD by K3MD

P40W by W2GD

V26G by N2ED

MEETINGS

Main Meeting

The main monthly meeting of the **Frankford Radio Club** will be held Philadelphia on Tuesday, February 13 at 8 PM. Location is Rosenburger Hall, Room 102 at the University of the Sciences.



T.I.T.S. meeting—The Trexlertown International Transmitting Society meets on Thursday, February 15 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.



2006 CQWW CW

The score for **J79Z** was incorrectly listed as J49Z. Also, John, **K3TEJ** was not given credit as the operator at **J79Z**.



FRC Chat Room Invitation
By Jim Jarvis, N2EA
(reprinted from the **FRC Reflector**)

As you start tuning up for ARRL, you might consider stopping by the **FRC Chat room cluster**. We've had a total of 33 countries in there, including VK, ZL, JA, P4, V2, LA, VE, PY, 8P, VP2M, XE, KL9, MU0,

Some of these folks are regulars. So are K3's WW & OO, and K2TTT, and N1ICE, Lisa, who is our token YCCC'er. She ops at K1TTT's place.

Fun place to visit and swap stories or friendly jibes with folks from Guernsey to Norway to VE5, to ZL and Japan. And the **FRC** expeditionary force. You can get in from anyplace that has an internet link.

You can access it from the website, gofrc.org... or, set up a more direct path via MIRC. After a year or so of going in through the website, I finally downloaded the MIRC client. Just come in via the website, and ask anyone there how to do it.

If nothing else, it's a way for our expeditions to coordinate back to the club or hoping that someone sees a broadcast message on the telnet link. Even if you're remaining stateside, and not operating in an Assisted category, you're supporting the expeditions by checking in before the contest.

See you in the pileups (as well as the cluster)!

Jim/N2EA

Contesting Tips by Barry Kutner, W2UP

Editor's note: In November 2006, Barry, W2UP, offered some great contesting tips on the FRC reflector. I've reprinted them here.

Part I—Which band should I be on

During the contest, a question constantly on my mind is am I on the right band? Being on the right band can make or break your score, as your competitors may be working stations (running or S/P) at a significantly higher rate if you're not in the right place. So how do you know where to be?

First, you must understand your station capabilities. Do you have a particular strength or weakness on a band? If so, that plays a role.

Second, you should have some kind of game plan in mind. While some guys plan out the whole 48h in advance, running all sorts of propagation simulations, I believe that's overkill. What I do is typically look at the rate sheets of a few stations from last year's contest. If the WWV numbers are similar, then odds are conditions will be similar. You can also go back 2 years or even 11 years (plus/minus) to get an idea how the bands will be. There are web sites with historical data of SFI, etc., so you can find the years with similar numbers.

How do you get these rate sheets? Look on the 3830 list. Some guys post them with score results. If there is a particular station's rate sheet you want, email and ask. I've never been turned down. I've swapped rate sheets with K3WW for many years (and they have been the single most helpful item in improving my score.) The downside of using a single-op's rate sheet as a guide is he may not have been on the right band at a given time. However, using the sheets from a M/M permits a comparison of one band to the next.

The rate sheets I have on the desk during every contest are last year's sheets of myself, K3WW and W3LPL. I use LPL rather than LR or XX figuring propagation is more likely to be similar. To make it easy for you, here are the links of these 3 sheets:

[<http://lists.contesting.com/archives/html/3830/2006-01/msg00530.html>](http://lists.contesting.com/archives/html/3830/2006-01/msg00530.html)

[<http://www.users.fast.net/~k3ww/CQCW05.BRK>](http://www.users.fast.net/~k3ww/CQCW05.BRK)

[<http://lists.contesting.com/archives/html/3830/2005-11/msg01830.html>](http://lists.contesting.com/archives/html/3830/2005-11/msg01830.html)

Of course, these shouldn't be used as gospel, for several reasons:

Conditions may not be the same as last year. Always check 10m. We were surprised on Saturday during SSB.

These stations may have a strength or weakness on certain bands that affects the rate and where they operate. Also, personal operating preferences play a role. For example, Chas is louder than me on 40 and I'm louder than him on 80. So, I tend to spend more time on 80 than he does. Another example - I hate 160, so I spend as little time as possible there and I'm willing to give up a few multipliers to keep running on 40 or 80. This is where looking at LPL's sheet really helps - they're on every open band full-time, so you can easily compare which band gives the most bang for the buck during any given hour.

Part II—Working multipliers

Many multipliers will come to you, without you needing to chase after them. So don't spend a lot of time chasing things you don't need to chase. The goal is to maximize your score, so chase your multipliers at the appropriate time and not at the expense of QSOs. What do I mean by that?

CONTESTING — TIPS, TECHNIQUES, RESOURCES

Think of the contest period in the same way management thinks about an empty hotel room or an empty airline seat. Once the time to fill the room or seat has passed, nothing can be recouped from it. It's lost forever. Same with contest time. The bands are open to some parts of the world for some of the time, other parts a lot of the time, and yet other parts very little. In our case, the bands are open to Caribbean/SA most of the time, EU a moderate amount of time, and Asia very little.

Once the opening is gone, you've lost the opportunity.

When the band is open to Asia, take advantage of it. It may not happen again, so it should take priority. When the band is open to Europe, RUN EU. Even with low power and wire antennas it can be done (high in the band.) EU is the bread and butter for us, and makes up about 80% of our QSOs in W1, 2 and 3 land. Don't waste time chasing P40W (sorry, John) and HC8N Saturday morning during a EU opening. When 20 and 15 close to EU in the afternoon, you'll have nothing else to work besides Caribbean and SA (and a few Africans), until 40 opens to EU. That's the time to work them - during a low rate time. Check out some of the rate sheets listed in my earlier email, and see what happens to the rate during the 18 and 1900Z hours. Also, don't sit in a packet pileup to work these guys.

They (and all the other regulars like V2, 8P, V3, VP5, etc.) are there every year, will be on all weekend, and will be easy to work on Sunday.

Part III—Using the Cluster

Single ops can skip this one...

The Cluster can be a very useful tool when operating the contest. The Cluster can also drive you to distraction, hooking you into that "chase every spot/DXer" mentality.

Do you enjoy banging your head against the wall? No?

Do you enjoy being beaten in the packet pileups by the same guys over and over? No? I know I don't.

Then why do you do it?

Don't forget the goal of the contest is to maximize your score. There's a balance between QSOs and multipliers. Either one without the other is not good. Most of the logging programs have some kind of rate meter telling you how many QSOs a new multiplier is worth - on average, I'd say a multiplier is worth about 5-6 QSOs. Now figure how long does it take you to make 5 or 6 QSOs. During the peak EU opening, it could be less than 2 minutes.

Will it take you less than 2 minutes to bust through the pileup for the newly spotted multiplier? If yes, go for it (but not at the expense of giving up your run frequency). If not, wait a while.

I tend to use the Cluster very little during the first 24h of the contest. It gives me clues about band openings I might not expect, but my goal is to maximize QSO totals and let the multipliers fall in place by themselves. On Sunday, when the rate is a bit slower, that's my chance to fill in holes in multipliers.

There are a handful of big stations that blow right through all the packet pileups. The rest of us should not jump right in. If you wait 10-15 minutes, you will get through a lot more quickly. During that time, you are building up your QSO total, rather than just wasting time with endless calling.

Have you ever started double clicking the band map, and found you're in sync with a group of guys who beat you every time? Move up the band to another spot and avoid them. Come back later to pick up the stations you missed.

Do you always verify the call sign spotted is correct? You should! No fun losing 3 QSOs for a busted spot.

CONTESTING — TIPS, TECHNIQUES, RESOURCES

Part IV—How to improve your run rate

Simple - get the full call right the first time you hear it.

When running, hopefully you have more than one station calling. To maximize your rate, copy the entire call correctly the first time you hear it - easier said than done. It takes practice. Once you hear someone calling, concentrate on that tone. Don't get distracted by other callers. Although narrow filters may help, there's a trade-off.

While it may make copying easier, you're likely to miss off-frequency callers, and you'll be spending a lot of time on the RIT knob.

Personally, I prefer the 500 Hz filter on my 1000D. Only if there are more than 3 or 4 callers at a time, do I use my 250 Hz filter.

Also, the more guys calling, the faster I send. When CQing, I usually send 32 or 34 WPM, and as more call, I'll max out about 40 WPM (except for a few of my QRQ buddies to whom I crank it up to 60 or so - I've even sent QTCs to DL2CC and HA3NU at 60 WPM!) As the pile dwindles, I slow back down. CQ too fast and you'll scare folks away.

Besides operating on the air, the best practice is the program Morse Runner. This program is so realistic, you'd think you're on the air.

You can customize it for # of stations calling, QRN, lids, etc. It's freeware and available at <http://www.dxatlas.com/MorseRunner/>



2007 Savings

- **IC-P7A** 2m/70cm VHF/UHF HT \$ 204.95
- **IC-R1500** Mobile Receiver \$ 499.95
- **IC-756PROIII** HF Base \$ 2,299.95
- **IC-7800** BIG GUN XCVR \$ 9,499.95
- **IC-PW1** HF KW Amplifier \$ 4,199.95



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Scarborough Reef still heads Top 10 most-wanted DXCC entities list

The DX Magazine, published by Carl Smith, N4AA, has released the results of its 2006 most-wanted DXCC entities survey, The Daily DX <<<http://www.dailydx.com/>>> reports. The newsletter notes that the survey list omitted Swains Island (KH8/S), which joined the DXCC List last July 22 and may otherwise have been number one. For 2006, Scarborough Reef (BS7) remains on top. The second most-wanted entity is Lakshadweep Islands (VU7), where a second DXpedition in as many months is now on the air with the call signs VU7RG and VU7MY. North Korea (P5) still holds the number-three slot, followed in order by Yemen (7O), Navassa (KP1), Glorioso (FR/G), Bouvet (3Y/B), Desecheo (KP5), Marion Island (ZS8) and Heard Island (VK0/H). Displaced from the Top 10 in 2006 were Peter I (3Y/P) and Andaman Islands (VU4). The complete listing of the Top 100 most-wanted DXCC entities eventually will appear on the DX Publishing Web site <<<http://www.dxpub.com/>>>.

Tickets now on sale for Dayton Contest Dinner 2007:

The North Coast Contesters have announced that tickets to the 2007 Dayton Contest Dinner -- held in conjunction with Dayton Hamvention -- are now on sale exclusively via the Web <<http://www.contestdinner.com/page_10728.html>>. The 15th annual Dayton Contest Dinner takes place Saturday, May 19, 6:30 PM (social hour at 5:30 PM) in the Van Cleve Ballroom of the Crowne Plaza Hotel, Fifth and Jefferson streets, in downtown Dayton (next to the Convention Center). Individual tickets are \$34 (random seating); tickets for a reserved table of eight are \$265. Master of ceremonies will be CQ Magazine Contest Editor John Dorr, K1AR, and the keynote speaker will be Barry Merrill, W5GN. The 2007 CQ Contest Hall of Fame inductees will be announced at the dinner. Contest operators from around the world attend this event. If you enjoy radio contesting, don't miss it. Seating is limited, and no tickets will be available at the door! Additional details, including the menu, are on the North Coast Contesters Dayton Contest Dinner Web page <<<http://www.contestdinner.com/>>>.

2007 DXCC Honor Roll deadline approaching: The deadline for inclusion in the next DXCC Honor Roll listing is March 31. Submissions must be postmarked by that date. The Honor Roll list will appear in August QST. There are 337 current entities on the DXCC List, and you must be at 337 to qualify for Top of the Honor Roll or within the numerical top 10 to qualify for Honor Roll.

The current minimum number for Honor Roll is 328. (Deleted entities do not count toward Honor Roll). "Top of Honor Roll" and "Honor Roll" plaques and lapel pins are available to all past and current Honor Roll members. Visit The ARRL DX Century Club Program Web page <<<http://www.arrl.org/awards/dxcc>>> for information on how to order.



Spring is Coming!!!

Work Wanted:

Experienced tower climber immediately available to perform antenna and tower maintenance.

Install/repair/remove antennas, replace feedlines and cabling, rotator servicing, guy wire renewal, new tower installations (guyed and self-supporting), and tower removal.

Reasonable hourly rates and scheduling that meets your needs.

Contact: John Crovelli W2GD

w2gd@hotmail.com

New Reach Number: 908 391 5611 (Mobile)

It's Official! Morse Code Requirement Ends Friday, February 23

Circle Friday, February 23, on your calendar. That's when the current 5 WPM Morse code requirement will officially disappear from the Amateur Radio Service Part 97 rules. Effective that date, applicants for a General or Amateur Extra class Amateur Radio license no longer will have to demonstrate proficiency in Morse code. They'll just have to pass the applicable written examination. Federal Register publication January 24 of the FCC's Report and Order (R&O) in the "Morse code proceeding," WT Docket 05-235, started a 30-day countdown for the new rules to become effective.

"The overall effect of this action is to further the public interest by encouraging individuals who are interested in communications technology or who are able to contribute to the advancement of the radio art, to become Amateur Radio operators; and eliminating a requirement that is now unnecessary and may discourage Amateur Service licensees from advancing their skills in the communications and technical phases of Amateur Radio," the FCC remarked in the Federal Register version of the "Morse code" R&O. The League had asked the FCC to retain the 5 WPM for Amateur Extra class applicants, but the Commission held to its decision to eliminate the requirement across the board. The rules that appeared in the Federal Register constitute their official version

<http://a257.g.akamaitech.net/7/257/2422/01jan20071800/edocket.access.gpo.gov/2007/pdf/E7-729.pdf> .

The new rules also mean that starting February 23 all Technician licensees, whether or not they've passed a Morse code examination, will have CW privileges on 80, 40 and 15 meters and CW, RTTY, data and SSB privileges on 10 meters. Once the new rules go into effect Technicians may begin using their new privileges without any further action.

An applicant holding a valid Certificate of Successful Completion of Examination (CSCE) for Element 3 (General) or Element 4 (Amateur Extra) credit may redeem it for an upgrade at a Volunteer Examiner Coordinator (VEC) exam session. A CSCE is good for 365 days from the date of issuance, no exceptions.

For example, a Technician licensee holding a valid CSCE for Element 3 credit would have to apply at a VEC test session and pay the application fee, which most VECs charge, in order to receive an instant upgrade to General.

ARRL Regulatory Information Specialist Dan Henderson, N1ND, cautions that a license upgrade is **not** automatic for those holding valid CSCEs for element credit. "You must apply for the upgrade at a VEC test session, and you may not operate as /AG or /AE until you have upgraded and have been issued a CSCE marked for upgrade," he stresses. "A valid CSCE for element credit only does not confer any operating privileges."

Henderson also advises all radio amateurs to know and fully understand their operating privileges before taking to the airwaves. Some Technician licensees reportedly started showing up on 75 meters December 15 in the mistaken belief that they had gained phone privileges there.

The FCC R&O includes an Order on Reconsideration in WT Docket 04-140 -- the so-called "omnibus" proceeding. It will modify Part 97 in response to ARRL's request to accommodate automatically controlled narrowband digital stations on 80 meters in the wake of other rule changes that became effective last December 15. The Commission designated 3585 to 3600 kHz for such operations, although that segment will remain available for CW, RTTY and data. The ARRL had requested that the upper limit of the CW/RTTY/data subband be set at 3635 kHz so there would be no change in the existing 3620 to 3635 kHz subband.

The ARRL has posted all relevant information on these important Part 97 rule revisions on its "FCC's Morse Code Report and Order WT Docket 05-235" Web page <<<http://www.arrl.org/fcc/morse/>>>.

ARRL Announces Headquarters Reorganization

ARRL Chief Operating Officer Harold Kramer, WJ1B, this week announced several organizational changes at ARRL Headquarters, effective January 22. Under the modified organization, most functions of the former Membership Services Department and Field and Educational Services will be combined into a single unit, tentatively called the Programs and Services Department. The League also will establish a new Education Department.

"The new Programs and Services Department will focus on providing first-class service to members and volunteers, and it ultimately will combine common functional areas like awards and certificates and mailings," Kramer explained, citing some of the advantages of the reorganization. "It will also permit better management and integration of programs and services as well as cross-training of staff members to improve efficiency."

Dave Patton, NN1N, will manage the combined department, while **FRCer** Norm Fusaro, **W3IZ**, will become assistant manager. Fusaro will continue his responsibilities as ARRL club and mentoring coordinator.

A new position of Emergency Communications Manager has been established within the new department. This individual will be responsible for relations with served agencies, memoranda of understanding, administration, ARRL internal emergency response planning, simulated emergency tests, emergency communications training, the Amateur Radio Emergency Service (ARES) database and related activities.

The new Education Department will consolidate a variety of activities under one roof. "Today, education is dispersed throughout the organization," Kramer noted. "Many departments are involved in educational endeavors, but there is a lack of coordination among the different departments."

The Education Department will oversee the ARRL Certification and Continuing Education Program and distance-learning support, the volunteer instructor and mentor program, youth programs, the ARRL Education and Technology Program and its teachers institutes, Amateur Radio on the International Space Station (ARISS) coordination and the development of educational materials.

"We believe that these changes will make us a better prepared and more responsive organization," Kramer concluded.

Foundation for Amateur Radio Invites Scholarship Applications

The non-profit Foundation for Amateur Radio (FAR) now is accepting applications for 56 academic year 2007-2008 scholarships to assist radio amateurs pursuing higher education. The deadline to apply is April 30, 2007.

FAR fully funds three of scholarships and administers 42 others without cost on behalf of various club and individual donors; grant income funds the remaining 11 awards. Amateur Radio licensees pursuing a full-time course of study beyond high school and accepted by or enrolled in an accredited university, college or technical school are eligible to apply.

Scholarship grants range from \$500 to \$3000, and preference in some cases goes to applicants living in particular geographical areas or pursuing certain studies. Non-US residents are eligible to apply for some of the scholarships.

Request more information and an application form via e-mail <scholarships@farweb.org> or by sending a QSL card by April 30 to FAR Scholarships, PO Box 831, Riverdale, MD 20738.

FCC cites Pennsylvania radio amateur for failure to ID

The FCC's Philadelphia Field Office has issued a formal Notice of Violation (NoV) <<http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-269180A1.pdf>> to a Pennsylvania radio amateur for failure to identify in a timely manner. The Commission released the NoV to Andrew Ban, KB3GRK, of Feasterville, on December 20. The notice says that on September 12 and 13, 2006, an agent of the FCC's Philadelphia office monitored KB3GRK's transmissions on 439.850 MHz and observed that the operator failed to identify for nearly one hour in one instance and for more than 20 minutes in the second. §97.119(a) of the Amateur Radio Service rules requires stations to identify "at the end of each communication, and at least every 10 minutes during a communication."

The FCC has advised Ban that he must submit within 20 days a written statement addressing the alleged violations and action taken to preclude recurrence. The issuance of an NoV appears to be a departure from the FCC Enforcement Bureau's typical practice of addressing such alleged infractions with an advisory letter.

FCC Suspends New Vanity Call Sign Processing

The FCC has put new Amateur Radio vanity call sign processing on hold while it modifies the software that handles vanity applications. The suspension is a result of a rule change that went into effect December 15 to discourage the filing of multiple applications by one individual for the same call sign. The FCC is still processing vanity call sign renewal applications.

"The Commission continues to accept [new] vanity call sign applications," says a brief announcement on the FCC's Universal Licensing System (ULS) Web page <<<http://wireless.fcc.gov/uls/>>>. "However, these applications will not be processed until software changes in accordance with the recent rule making have been fully implemented." Just when that might happen is not known.

As revised in the FCC's recent Report and Order (R&O) in WT Docket 04-140, §97.19(d)(1) stipulates that if the FCC receives more than one application requesting a vanity call sign from a single applicant on the same receipt day, it will process only the first application entered into the ULS. "Subsequent vanity call sign applications from that applicant with the same receipt date will not be accepted," the rule concludes.

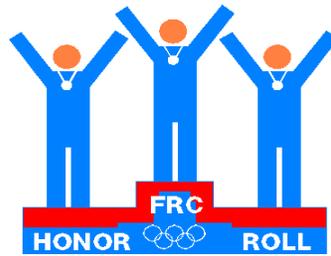
The FCC says that when processing resumes, it will handle pending applications for new vanity call signs "consistent with the date order in which they were received."

This suspension affects new vanity call sign applications submitted on December 18 or later. Typically, it takes 18 days from the time the FCC receives a vanity application until the call sign is issued -- or the application is denied. The FCC granted the last Amateur Radio vanity call signs on January 4 for applications received December 15.

All vanity call sign renewal applications, including those for club stations, must be filed via the ULS. The current vanity call sign fee, payable for new applications as well as renewals, is \$20.80 for the 10-year license term.

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





FEBRUARY **CONDUCTED by N2SS** **2007**

WARC BANDS

<u>30 Meters</u>	<u>17 Meters</u>	<u>12 Meters</u>
K2FL .. 335	K2FL...339	N2TK .. 329
N2TK332	N2TK 338	K2FL.....327
N2LT321	N2LT 335	N2LT.....321
W3BGN320	W3BGN ... 332	W3BGN ...315
W2YC306	W3CF 332	W3CF303
N2SS294	N2SS 324	N2SS.....302
W8FJ292	W2UP 317	W2YC278
K2PS284	W2YC 309	K2PS.....268
W2UP284	K2PS 303	W2UP265
N3RD268	W8FJ 295	W8FJ232
N2MM233	N2MM..... 268	N1RK.....218
K3II232	N1RK 253	KQ3F217
W2LE220	KQ3F 252	K3II203
KQ3F195	K3II 246	N3KN 191
W2IRT183	W2LE 231	W2LE 191
W2RQ182	W2IRT..... 209	W2YR 187
AA2WN...174	W2YR 202	N2MM 185
K3CT134	K2AX 192	NA2U 156
AB2E132	W2RQ 192	W2RQ 119
W2YR131	N3KN 171	W2IRT 105
N3KN126	NA2U 167	AB2E 92
NA2U110	K3CT 126	K3CT 83
N1RK107	K3ND 124	K2AX 69
K3ND85	AA2WN ... 122	K3GYS 30
N2VW76	AB2E 108	N2VW28
W3CF61	K3GYS 85	AA2WN20
K3GYS17	N2VW 67	
K2AX15		

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

W3BGN297	K2PS 106
AA1K291	W2CG 95
WT3Q264	AB2E 94
N2LT254	N2VW 85
N2TK252	NA2U 83
K3SX237	W2YR 81
NO2R233	N2SS 79
W8FJ219	K2AX 77
W2UP204	W3CF 77
K3JIG215	W2IRT 74
W2YC191	K3NL 70
N2MM182	K3CT 63
W2RQ166	KQ3F 57
K3NM156	N1RK 51
N3RS156	AA2WN 50
K3II152	N3KN 34
K2FL143	W2LE 28
K3ND136	K3GYS 12

W3BGN continues as the undisputed Top of Top Band.

Digital

W2UP340	KQ3F 132
N2LT336	W2LE 124
K2PS288	W2CG 66
W2YC267	N2SS 53
AA2WN187	N1RK 39
N3KN181	K3GYS 15
W2IRT141	W8FJ 12
W2YR132	

MOBILE DX

W2YC276	K3GYS 143
AA1K273	AA2WN 131
N2SS234	W2YR 28

1.5K Club

K2FL..... 1718	KQ3F1453
W3BGN 1706	W2CG1408
N2TK 1697	W3CF1403
N2LT 1691	AA2WN1379
W2UP 1676	NA2U1365
W2RQ 1645	K2AX1334
N3RS 1626	N1RK1289
W8FJ 1602	N2VW1270
K3II 1573	K3CT1180
W2YC 1571	W2LE1175
N3RD 1553	W2YR1153
NO2R 1536	N3KN1120
N2SS 1529	K3NM1107
K2PS 1524	AB2E1164
N2MM 1524	W2IRT1014
K3ND 1501	

Islands On The Air

K2FL..... 1012	N2VW261
N2SS 841	W3CF253
W2YC 645	W2YR244
W8FJ 620	W2IRT232
N1RK 546	K3GYS229
WA3RHW292	AB2E205

6 METER DXCC

N2LT107	N3KN52
K2PS 101	W2YR44
AA1K 99	W2YC29
K3OO 80	K2AX18
K3SX 75	AA2WN15
N1RK 57	N2TK12
N2SS 55	K3GYS10



THE FRANKFORD RADIO CLUB NEWSLETTER

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



Affiliated Club

The Frankford Radio Club

Club Officers

President, **K3ZV**, John Lindmeier856-768-5348
Vice Pres, **N3DXX**, Art Hitchens 302-764-8061
Secretary, **W2RDS**, Rick Stoneking..... 609-265-0885
Treasurer, **K2QM**, 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 Donziger610-581-7032
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, 145.43/144.83 Output PL tone, 167.9

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

144.950 K3ZV
145.530 AA1K
145.530 K3WW
145.570 WT3Q
145.670 W3PP

Telnet DX Cluster

k2ut.gofrc.org
k3ww.gofrc.org 7300
kf3b-2.gofrc.org 7300
w3frc.gofrc.org 7300