



THE FRANKFORD RADIO CLUB NEWSLETTER

PROFICIENCY THROUGH COMPETITION

CALENDAR

December 2006:

- 1-3 ARRL 160 Meter Contest, CW
- 9-10 ARRL 10 Meter Contest
- 12 FRC Main Meeting, Phila.**
- 12 Remy Meeting B**
- 21 T.I.T.S. Meeting, Noon**
- 27 FRC Pizza Bash, Noon**
- 28 Remy Holiday Meeting B**

January 2007:

- 6-7 ARRL RTTY Roundup
- 9 FRC Main Meeting, Phila.**
- 9 Remy Meeting B**
- 13-14 No. Amer. QSO Party, CW
- 18 T.I.T.S. Meeting, Noon**
- 20-21 No. Amer. QSO Party, SSB
- 23 Remy Meeting B**
- 27-28 CQ 160M Contest, CW

February 2007:

- 17-18 ARRL DX Test, CW**

March 2007:

- 3-4 ARRL DX Test, SSB**

CHANGES

Address/Email

NO2R—Peter Pollack
658 Fox Farm Rd.,
Asbury, NJ 08802
no2r@earthlink.net

KC3WX—Steve Stepansky
sstepa@verizon.net.

Deadline for January issue:
Tuesday, December 26, 2006

President's Column

I am writing this just after the completion of the CQWW contest. I want to thank all of those who go on and made points for the club. I know that every-one did all that they can to win for the club. I also want to thank all those who made their stations available for multi-ops. These stations are a great resource for the club. They can provide a place to learn from other members. I operated from **N2RM** for phone and **K2AX** for CW. Anytime I operate with others, I always come away with some new operating tips. No matter how good you think you are, always keep yourself open to learn more.

I also want to take some time and thank our families. Without their understanding and support, contesting at a high level would not be possible.

After looking at the scores posted so far, it looks like we are going to have a pretty good score this year. It shows that the club still has the desire and the ability to compete for the big prize. So, win or lose, we can all feel good about our efforts.

So, from my family to yours, have a happy holiday season and I look forward to seeing as many of you as possible at the upcoming meetings.

73 – John – K3ZV

Holiday Greetings from the Newsletter Staff

Joe, KQ3F, Editor Rick, W2RDS, Printer



MEETINGS

Main Meeting

The main monthly meeting of the **Frankford Radio Club** will be held Philadelphia on Tuesday, December 12 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, December 21 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.

Annual Holiday Meeting B

Time certainly rolls by quickly! Once again it's time for another holiday get together. **Due to the proximity of Christmas Day, instead of the usual Tuesday evening, this year's annual holiday Meeting B is scheduled for Thur, Dec 28th at 7PM.** If you would like to attend, I need your name, guest's name if you are bringing one, and dinner choices by Dec 26th. Contact me at n2ss@n2ss.com or on my cell 609-221-4899 and let me know. I will collect the night of the dinner. As in past years I expect our President will designate this as an official **FRC** meeting.

Details:

Place: Rexy's, Black Horse Pike, (Rt 168 below WW Bridge)

Menu: Choice of Baked Manicotti, Chicken Marsala, Stuffed Flounder, Filet Mignon or Prime Rib
Includes: Soup or salad, rolls and butter, coffee/tea and ice cream

Price: \$24.50 for manicotti, chicken or flounder. \$27.00 for Filet or Prime Rib.

The price includes tax and tip and while it has been unchanged for a number of years, unfortunately, this year the price has increased by \$3.

Drinks: Cash bar on your own.



FRC Pizza Bash

This year's **FRC** Pizza Blast is 12:00 Noon on Wednesday December 27th. Location is the Crossroads Hotel. Hellertown,Pa.

CQWW CW Log Submissions

Send CW logs to cw@cqww.com. **You MUST report your score to K3WW. a CC of your entry to K3WW is not a bad idea.** If you have problems uploading your logs, contact k3ww@fast.net for help. **Be sure to put CLUB: Frankford Radio Club in the header.**

FRC 2006 CQWW SSB Claimed Scores

Station	QSOs	Zones	Cntrys	Class	Score	Station	QSOs	Zones	Cntrys	Class	Score
AA1K	2,083	126	405	A	2,960,856	V26B	10,990	150	548	MM	18,729,434
AA3B	1,388	118	430	AA	2,114,732	<i>Ops HB9OCR KA2AEV N2ED N3OC</i>					
HS0AC				MS	1,134,544	<i>W2BZR WX3B</i>					
	<i>Ops HS1CK KL7ENY W2YR</i>					VE2DXY				M2	895,440
K2AX				MM	1,836,396	<i>Ops K3FMQ KD3RF KD3TB</i>					
	<i>Ops K2AX KC2TN N3RG W2OF</i>					W1GD	1,259	121	449	AA	1,973,340
K2DM	951	96	292	A	1,015,290	W2CG				M2	2,803,922
K2GN	422	73	225	AA	345,084	<i>Ops W2CG K2TW NO2R W2EN</i>					
K2NG				AA	2,443,663	W2IRT	1,046	100	372	AA	1,388,152
K2PS	975	96	312	LA	1,106,496	W2LE	750	81	270	AA	731,835
K2SQS				AA	86,870	W2RD				AA	930,951
K2TTT	738	78	281	AA	739,540	W2YC				M2	750,780
K3MD	1,046	107	348	MS	1,290,380	<i>Ops W2YC AA2WN</i>					
	<i>Ops K3MD N3PUR</i>					W2ZQ	1,702	121	443	M2	2,614,704
K300				AA	716,292	<i>Ops AB2IO K2QM N2BA N2EA N3GNW</i>					
K3VA				LA	30,212	<i>WT2P</i>					
K3WW				AA	3,299,940	W3BGN				A	3,117,120
KB3TS				A	103,428	W3CC				AA	1,340,710
KC2NB				A	193,865	W3FVT				A	146,850
KQ3F	707	103	350	AA	893,769	W3GM	917	111	387	AA	1,262,430
N1RK				AA	532,980	<i>Op K3ND</i>					
N2AB				AA	357,430	W3IZ				A	337,840
N2LT				A	1,386,081	W3MF	1,268	118	424	MS	1,911,092
N2MR				AA	456,202	<i>Ops W3MF K3PH</i>					
N2VM				AA	30,368	W3NX	1,278	108	373	MS	1,665,222
N3AD	1,777	132	471	AA	2,967,966	<i>Ops KD2HE N3DXX N3NR</i>					
N3BNA				MS	363,000	W3PA				AA	2,871
	<i>Ops N3BNA KD3CN NB3I W3EEE</i>					W3PP	1,223	129	456	AA	1,968,525
N3KN	368	65	193	AA	251,292	WE3C	2,076	148	548	AA	4,000,608
N3KR				A	212,266	WP2Z	6,781	135	433	MM	8,716,528
N3MX	1,239	108	399	M2	1,737,996	<i>Ops N2TK W3FV</i>					
	<i>Ops N3MX K3YD N3OYA</i>					WT3Q				AA	652,971
N3RJ				A	507,608	Total 109,973,102					
N3RS	3,753	147	579	M2	7,475,622						
	<i>Ops N3RS K3IPK N2SR N3DXX N3ED</i>										
	<i>N3NA N3RD W8FJ</i>										
N3RW	206			AA	89,385						
N3YW	633	58	191	A	436,248						
N3ZA	892	107	361	AA	1,152,684						
NA2U				AA	278,980						
NE3F				MM	3,318,900						
	<i>Ops NE3F K3ATO N3OW NT3V W3CF</i>										
	<i>W3TUA</i>										
NN3Q	1,084	96	368	AA	1,411,024						
NY3C				AA	304,560						
P40W	6,342	130	432	A	10,449,828						
	<i>Op W2GD</i>										

Note: scores are for full station score, FRC share will be somewhat reduced in some cases.

There were FRC members at several large Multi Multi operations, that have not been listed yet but we will get a share.

Be sure to check <http://www.cqww.com/> under SSB LOGS RECEIVED to see if your entry was properly captured.

CONTESTING — TIPS, TECHNIQUES, RESOURCES

Reprinted with permission from the November 1, 2006 Contest Rate Sheet

If you took a peek at W1VE's real-time scoring site (<http://www.getscores.org/>), then you may also be interested in RFSport (<http://www.rfsport.com/>). W2EV and the development team led by N7YG and K4HG have taken an alternate approach to the XML interface. RFSport, which is currently focused on VHF+ contesting, requires the use of an approved logging program to equalize features and the information exposed to other competitors. The program and Web site are under active development. Both approaches have their strong points and it will be interesting to see each system develop. (Thanks, Ev W2EV)

Amazing Contesting Energizer Bunny Jim AD1C has written a program to convert some Cabrillo contest log formats into CT's RES format. This allows non-CT users to take advantage of CT's reports; rate breakdown, country breakdown, etc. The user must use CT to convert the RES file to BIN format. The conversion program and instructions are found at: <http://software.ad1c.us/#Cabrillo> <http://software.ad1c.us/> and you can download CT for free from <http://www.k1ea.com/>

Tired of RFI troubles in the shack and around your home? Several have recommended the extensive and detailed article for the Yankee Clipper Contest Club by Chuck WHIS on using common-mode chokes (<http://tinyurl.com/qnzs3>) to deal with RF. By being proactive, you can make major improvements in RFI from computing and network equipment and keep peace at home by reducing or eliminating interference to audio and video equipment.

Drip, drip, drip - all your tower cable lube is running down the side of the tower or blowing away on the wind (usually right on you). Tom NOSS attacked this problem head-on with his handy "Lube Catcher" that you can make yourself. Browse to http://www.n0ss.net/n0ss_tower_cable_lube_over-spray_catcher.pdf for photos and instructions. The over-spray is caught and pools where it can run down the cable and penetrate the strands. (Thanks, Mel K0PFX)

OH7SV has written a spreadsheet calculator for circular loop antennas and made it available for downloading at <http://tinyurl.com/yzvha3>. The spreadsheet calculates the various parameters for circular copper loops including inductance, tuning capacitance, radiation resistance, loss resistance, efficiency, etc. (Thanks, John KU4AF)

What is the most important part of the contesteer's body? Your shack chair knows! Along those lines, Chuck N7BV discovered Oregon Aero (<http://www.oregonaero.com/>), a company with a number of aviation accessories that are definitely useful in the shack. For example, the Portable Universal Softseat Cushion might help us with all those long hours of sitting during contests. The cushion is designed to be removable and so you can take it with you to the big multi-op. There are several varieties and styles.



Season's Greetings to All!!!

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)

Reprinted with permission from the November 15, 2006 Contest Rate Sheet

Jim W6RMK contributes another excellent reference link - the Belden "Coaxial Cables and Applications" technical paper at <http://tinyurl.com/vgjeg>. Good reading for well-grounded fundamentals of one our most frequently used materials.

Dave K6LL has found an "RF bulletproof" cordless phone; the Uniden Model EXP 970, available at Walmart for under \$10. He also thinks that the Radioshack phone, Model ET-296 series, catalog # 43-874 (white) is similar to the discontinued, but RF resistant, model 43-591.

Tim K3LR is famous not only for having one of the best stations in the world, but for his attention to detail which extends to the care with which coax connectors are attached. In a station with hundreds of PL-259 connectors, how does he make time to do a good job? Here's Tim's process:

"Use silver-plated connectors that say "Made in USA" on the shell. Take a fully assembled (shell + body) connector and measure the connector against the RG8 (or similar) coax. Take the outer covering of the coax off with a sharp knife. Pull the braid back all the way by fanning it out. Wrap 3 to 4 turns of Scotch 88 black tape around the center conductor. Trim the dielectric up against the fanned out braid. Use wire strippers and remove the remaining dielectric from the center conductor. Install the fully assembled PL259 (meaning WITH the shell on the connector body - Ed.) onto the center conductor and over the tape. The back of the PL259 body should rest on the fanned out shield. Solder the center conductor. Trim the exposed shield to 1/4" long and fold over the back of the PL259. Solder the shield all the way around the back of the PL259 body. While the back is still hot wrap 2 turns of 88 tape around the soldered shield to seal it good. The shield is well soldered for 360 degrees around the connector with no chance that the dielectric is melted."

When purchasing ferrite beads and cores for RFI suppression, the question often arises as to what mix is best. Jim K9YC tested several of the popular mixes for the one that has the most resistive (loss) characteristics over the HF frequency range. "The #31 mix has significantly higher R below about 5 MHz than the #43 mix, but is nearly equal to the #43 mix up to about 50 MHz. So above 7 MHz, it doesn't matter whether you use #31 or #43 - they are equally effective. But if you need suppression on 160 or 80, the #31 mix is greatly superior."



HOLIDAY SPECIAL SAVINGS

- **IC-T90A** 2M VHF HT \$ 204.95
- **IC-V8000** VHF Mobile \$ 149.95
- **IC-718** Entry Level HF Base \$ 459.95
- **IC-756PROIII** HF Base \$ 2,279.95
- **IC-7800** BIG GUN XCVR \$ 9,499.95



Your Only Source For ICOM
Reconditioned Products
Current and Discontinued Items!

**Handhelds • Mobiles
HF Transceivers**

All current factory rebates
& incentives apply.

All radios recently serviced by
ICOM Service Department
and include a Full 90-Day
Factory Warranty!

Owned and Operated by an FRC Member • FRC Members receive a DISCOUNT!

Prices subject to change without notice. Some prices are shown after mail-in rebate. Visit our website or contact us for more details.

www.HamAv.com

E-mail Inquiries: info@HamAv.com

CONTESTING — TIPS, TECHNIQUES, RESOURCES

Reprinted with permission from the November 15, 2006 Contest Rate Sheet

The Electronic Research Group Web site features "SMD Soldering Tools and Technique" (http://www.zianet.com/erg/SMT_Soldering.html), a good set of instructions and close-up photos. Worth a look if you plan on doing any building or repair with SMT (Surface Mount Technology) parts. (Thanks, Carter N3AO)

What is the most common piece of equipment in the ham shack? Wrong! It's the ubiquitous "wall wart" transformer. (If it's not the most popular, it's not far from it.) To learn more about these oft-used, little-investigated accessories, download "A Dummies' Guide to Working with Wall Warts" (<http://tinyurl.com/unmk9>) by John Bryant. (Thanks, Charlie WA2ONH)

Randy WX5L recommends the "ISOBAR" power strip made by Tripp-Lite Co. for RFI suppression. The strips are available with up to 75 dB of RF attenuation. This may help a neighbor or with equipment for which the usual ferrite cores or bypass capacitors can't be used.

Bergen Cable offers some handy "Cable 101"-style information at <http://tinyurl.com/y8xzlo>. Good reading for next year's antenna projects. (Thanks, Norm AI2C)

Check out Rick N6RK's Web site (<http://www.n6rk.com/>) for information on using irrigation pipe for verticals and vertical arrays. This material is often available as agricultural surplus in farming areas. (Thanks, Terry KK6T)

Want to get your SO2R skills honed for the real thing? Turn the computer speaker on and practice copying calls from a code training program such as Morse Runner (<http://www.dxatlas.com/MorseRunner>) while tuning a radio and copying calls in your head. (Thanks, Tom W7WHY)

Electronic Design magazine's "Ideas for Design" section often features circuits that would be handy around the ham shack. The 26 October issue has a nifty over- and under-voltage protector that might be useful for sensitive (or expensive) equipment. Enter "13788" in the "Enter ED Online ID" window at <http://www.elecdesign.com/> to see the full article.

Reprinted with permission from the November 29, 2006 Contest Rate Sheet

The FCC "Omnibus" Amateur Radio R&O has been published in the Federal Register. The rules changes take effect on Friday, December 15 - at 12:01 EST. A correction to re-legalize 1 kHz data emissions on HF is in the works. There is no word on whether 80-meter phone privilege changes will be made prior to the rule changes taking effect.

o From N5KO - "For the ARRL we will turn on the Cabrillo V3.0 robot starting with the ARRL 160 Meter Contest" Until then, please submit Cabrillo 2.0 format. Cabrillo 3.0 is already being accepted by the CQ WW log acceptance robots.

Have you taken a look at "Zone to Zone Propagation" from Radio Sport Canada? The Web site (<http://www.radiosport.ca/zoneprop>) uses a widely accepted propagation engine to determine the band on which a contestant in one CQ DX zone is likely to be able to contact a station in another CQ DX zone taking into account current geomagnetic activity. The information is displayed as a 40 by 40 zone matrix updated hourly at approximately 20 minutes past the hour. (Thanks, Sylvan VE5ZX)

Tim EI8IC announces the addition of many new contest results to LogView, an online application (<http://www.mapability.com/ei8ic/logview/results.php>) that lets you view the published results of a contest plotted on a map of North America. Viewing the contest results is free, and does not require you to be a registered user to log on. Select your required resolution and when the page loads, select a Year and a Contest in the upper boxes. If the cross turns to a tick, it indicates that results for that contest are available. Click the tick, and the results will be loaded. Click 'Show all' to show all the contest results, or use the VCR-buttons to advance through the results in various ways.

Another FRCer Does Well (Congratulations John!)

2006 CW ARRL WP2Z (K3MD, op)

High Power Single Operator 8th Place World 1st Place U.S. Virgin Islands

CONTESTING — TIPS, TECHNIQUES, RESOURCES

Reprinted with permission from the November 29, 2006 Contest Rate Sheet

Speaking of contest results, Dink N7WA has come up with another useful output from the 3830 score reporting data. "If you are like me, you miss all the soapbox comments on 3830 during a big test because there is just so much email coming through. Who really wants to open all that email? (That's why we have score summaries.) Yet, there are a lot of interesting stories and tidbits of information out there." To make Soapbox-ing easier and more enjoyable he's created a Soapbox summary for the CQ WW CW contest - CQWW_CW_SoapBox_Nov_27_2006.txt. It's located at <ftp://ftp.eskimo.com/~mwdink/public/> or <http://www.eskimo.com/~mwdink/3830/> and can be downloaded by right-clicking on the file name and then choosing the "Save target as..." menu option. This summary will probably only be created for really big contests for now.

Felipe PY1NB invites testers to visit his new Web site, DX Watch (<http://www.dxwatch.com/>), "a Web cluster on steroids that lets the user create lots of filter combinations." There is a dynamic DX calendar and a contest claimed scores database, too.

Ham radio videos are popping up on the video service YouTube like mad. There is a contest video by OZ1ADL at <http://www.youtube.com/watch?v=fA0Od48j6WA> and a very nicely done DX video starring Hermann Munster at <http://www.youtube.com/watch?v=P5LAOi5fZKc&NR>, albeit in Spanish. Surely there is a bilingual humorist out there that could generate some subtitles for poor Hermann! (Thanks, Tom K1KI)

Rick N6RK sends along this link (<http://tinyurl.com/yfevnk>) to connectors that he considers a better solution to rotator control cable connections than either Cinch-Jones plug or trailer connector pigtails. They are waterproof connectors and cheaper than some of the less-common trailer pigtails. They're available from <http://www.dcpwr.com/> but you'll need to contact the business owner about ordering them.

Just in time to make a good present, Lynn N7CFO has discovered a neat back-pocket tool pouch (<http://tinyurl.com/y16732>) from Black & Decker. Most tool pouches won't snap on over a climbing harness, but this one can hang on by being slipped into a back pocket.

FRC Treasurer's Report

I have heard from several of you that you are interested in the financial condition of the club. Our treasurer Bob, **KQ2M**, has put together this report on the club's finances:

Assets:

\$ 2,658 Vanguard MM as of 9/30/06
\$ 10,281 Union Savings Checking acct. as of 9/29/06
\$12,939 assets as of 9/30/06

Donations:

\$ 6,101 Donations from 128 members since 1/1/06 including \$576 from auctions, donations for equipment, etc.

Expenses:

\$1,104 postage (2 years worth of discount postage)
\$1,389 Newsletter printing, collating, etc.
\$ 275 PECO Energy
\$ 285 Verizon
\$ 301 ARRL and CQ annual Plaque Donations
\$ 325 Liability Ins. policy
\$ 150 Dayton Supersuite
\$ 169 Website costs
\$ 20 Misc. Awards cost

Amateur Radio "Omnibus" Rules Changes to Go Into Effect December 15

A little over a month after the Federal Communications Commission released the Report and Order (R&O) in the so-called "Omnibus" Amateur Radio proceeding, WT Docket 04-140 (FCC 06-149) to the public, a revised version appeared November 15 in the Federal Register <

<http://a257.g.akamaitech.net/7/257/2422/01jan20061800/edocket.access.gpo.gov/v2006/pdf/E6-19189.pdf> <<http://a257.g.akamaitech.net/7/257/2422/01jan20061800/edocket.access.gpo.gov/2006/pdf/E6-19189.pdf>>.

The changes in the R&O will take effect Friday, December 15, at 12:01 AM EST, 30 days after its publication. As expected, the Report & Order clarified two items that had raised some concerns when it was first released last month: That the 80/75 meter band split applies to all three IARU Regions, and that FCC licensees in Region 2, which includes North America, can continue to use RTTY/data emissions in the 7.075-7.100 MHz band. Still to be resolved are three controversial aspects of the Proceeding:

- * Expansion of the 75 meter phone band all the way down to 3600 kHz (thus reducing the privileges of General, Advanced and Amateur Extra class licensees, who had RTTY/data privileges in the 80 meter band, and CW privileges of General and Advanced class licensees)
- * The elimination of J2D emissions, data sent by modulating an SSB transmitter, of more than 500 Hz bandwidth. This will make PACTOR III at full capability illegal. Other digital modes effectively rendered illegal below 30 MHz include Olivia and MT63 (when operated at bandwidths greater than 500 Hz), 1200-baud packet, Q15X25 and Clover 2000.
- * The elimination of access to the automatic control RTTY/data subband at 3620-3635 kHz.

The ARRL Board is discussing the possibility of a petition to reconsider several items in the R&O.

ARRL Regulatory Information Specialist Dan Henderson, N1ND, commented: "The release of the R&O in the Federal Register has started the countdown clock. We are all looking forward to being able to use the refarmed frequencies starting on December 15. We are still anxiously awaiting the release of the Report and Order for 05-235, the Morse Code Proceeding. We are hopeful that the Commission will be able to move on that petition and address the outstanding issues in the Omnibus R&O soon."

For more information, see the band chart

<<http://www2.arrl.org/announce/regulatory/wt04-140/Hambands3_color.pdf>> and the Frequently Asked Questions on WT Docket No. 04-140 <<<http://www2.arrl.org/announce/regulatory/wt04-140/faq.html>>>. Both have been updated to reflect the R&O as it was published in the Federal Register.

W1AW 80-meter Digital Transmission Frequency Changing

Effective December 15, in response to rule changes resulting from the "omnibus" Report & Order (R&O) in WT Docket 04-140, ARRL Maxim Memorial Station W1AW will change its 80-meter digital transmission frequency to 3597.5 kHz. The expansion of the 75-meter phone band to 3600 kHz makes the change necessary. W1AW will begin using the new frequency starting with the regularly scheduled 2300 UTC digital bulletin on Friday, December 15. A possible change in the W1AW 80-meter CW frequency is under consideration.

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



FRCer Nick Roscoe, N3NR, Helps Cub Scout Pack 260 Takes To The Airwaves

On Saturday October 21st members of Cub Scout Pack 260 took part in the 49th Annual Jamboree on the Air scouting event from local amateur radio station N3NR. Every October Cub Scout Packs, Boy Scout Troops, Girl Scout and Girl Guide units around the world pair up with local amateur radio operators and get the opportunity to communicate with each other via Ham Radio during the Jamboree On The Air event.

“One of the most common questions I get from parents is “Does Ham Radio still exist?” and my answer is always an emphatic “Yes!”” says Nick Roscoe, Cubmaster for Pack 260 and licensee of amateur radio station N3NR. “Many people believe that the rise in the popularity of the internet and the ease with which we are able to communicate across the globe now via the internet have pretty much rendered Ham Radio obsolete. Quite to the contrary, the amateur radio service has adapted itself to embrace the internet and Hams have found ways to make the internet part of our radio operations.”

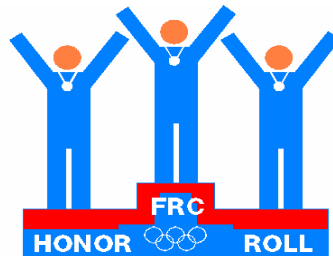
In addition to actually talking on the radio with other scout stations members of Pack 260 were treated to a presentation about Ham Radio emergency communications from Fred Field, Fire Marshall and Emergency Management Official from Concord Township, himself a Ham Radio operator (N3OFR) and participant in the Delaware County ARES. Mr. Field explained how Ham Radio is used to support charity events like the Media Bike Race and the MS 150 Biking event, National Weather Service storm spotters via SKYWARN, and local and state emergency services during times of local, regional, or national emergencies.

As noted by Nick Roscoe, “Part of our program today was to illustrate to the Cub Scouts how many of the community oriented principals that are at the core of Scouting are shared by other organizations like the Amateur Radio Service. In times of emergencies Ham Radio operators are some of the first people to volunteer to help out. ARES and the Radio Amateur Civil Emergency Service (RACES) are both affiliated with the Citizens Corps, an initiative within the Department of Homeland Security to enhance public preparedness and safety in times of emergency. Ham Radio operators in many instances became the primary means of communications in the aftermath of Hurricane Katrina last year, and in the immediate aftermath of the attacks of September 11th 2001. When all other means of communication fail Ham Radio is typically the only means of communication left available”.



IRC Reminder

International Reply Coupons (IRCs) which are marked to expire on December 31, 2006 have to be exchanged for air-mail stamps before then and will be worthless after that date! (Thanks Mike, **KA2AEV**)



DECEMBER **CONDUCTED by N2SS** **2006**

WARC BANDS

<u>30 Meters</u>	<u>17 Meters</u>	<u>12 Meters</u>
K2FL.. 334	K2FL...338	N2TK ..329
N2TK332	N2TK 337	K2FL..... 327
N2LT321	N2LT 335	N2LT..... 321
W3BGN319	W3CF 332	W3BGN... 315
W2YC303	W3BGN ... 331	W3CF 303
N2SS291	N2SS 322	N2SS..... 302
W8FJ292	W2UP 315	W2YC 275
K2PS284	W2YC 306	K2PS..... 268
W2UP282	K2PS 303	W2UP 262
N3RD264	W8FJ 295	W8FJ..... 232
N2MM233	N2MM..... 268	N1RK..... 218
K3II232	N1RK 253	KQ3F 217
W2LE220	KQ3F 252	K3II 203
KQ3F195	K3II 246	N3KN 191
W2IRT183	W2LE 231	W2LE 191
AA2WN...174	W2IRT..... 209	W2YR 187
W2RQ144	W2YR 202	N2MM 185
K3CT134	N3KN 171	NA2U 156
AB2E132	NA2U 167	W2IRT 105
W2YR131	W2RQ 142	AB2E 92
N3KN126	K3CT 126	K3CT 83
NA2U110	K3ND 124	W2RQ 62
N1RK107	AA2WN... 122	K3GYS 30
K3ND85	AB2E 108	N2VW 28
N2VW76	K3GYS 85	AA2WN..... 20
W3CF61	N2VW 67	
K3GYS17		

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

W3BGN296	K2PS 106
AA1K290	W2CG 95
WT3Q264	AB2E 94
N2LT254	N2VW 85
N2TK252	NA2U 83
K3SX233	W2YR 81
NO2R233	N2SS 79
W8FJ219	W3CF 77
W2UP200	W2IRT 74
K3JIG200	K3NL 70
W2YC186	K3CT 63
N2MM182	KQ3F 57
K3NM156	N1RK 51
N3RS156	AA2WN 50
K3II152	N3KN 34
K2FL143	W2LE 28
K3ND136	K3GYS 12
W2RQ123	

W3BGN continues as the undisputed Top of Top Band.

Digital

W2UP339	KQ3F 132
N2LT336	W2LE 124
K2PS288	W2CG 66
W2YC260	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..... 1715	K3ND1501
W3BGN 1705	KQ3F1453
N2TK 1697	W2CG1408
N2LT 1691	W3CF1403
W2UP 1674	AA2WN1379
W2RQ 1623	NA2U1365
N3RS 1621	N1RK1289
W8FJ 1602	N2VW1270
K3II 1573	K3CT1180
W2YC 1567	W2LE1175
N3RD 1549	W2YR1153
NO2R 1536	N3KN1120
N2SS 1527	K3NM1107
K2PS 1524	AB2E1164
N2MM 1524	W2IRT1014

Islands On The Air

K2FL..... 1012	W3CF253
N2SS 838	W2YR244
W2YC 639	W2IRT232
W8FJ 620	K3GYS229
N1RK 546	AB2E205
N2VW 261	

6 METER DXCC

N2LT107	N3KN52
K2PS 101	W2YR44
AA1K 99	W2YC29
K3OO 77	AA2WN15
K3SX 75	N2TK12
N1RK 57	K3GYS10
N2SS 55	



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, 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

144.950 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